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Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART I
(1850-1878)

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University Publications of America
Frederick, Maryland
1985

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The original documents in this edition are from the archives at the Edison National Historic Site at West Orange, New Jersey.

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A NOTE ON THE SOURCES

The pages which were microfilmed for this collection are in generally good condition in the original. There are some pages, however, which due to age do not reproduce satisfactorily. We have made every technical effort to ensure complete legibility of each and every page.

DOCUMENT FILE - 1874

D-74-001	Edison, T.A. - General
D-74-002	Edison, T.A. - Family
D-74-003	Railroad - Sarnia Street Railway Company
D-74-004	Telegraph - General
D-74-005	Telegraph - Automatic Telegraph Company - General
D-74-006	Telegraph - Automatic Telegraph Company - Great Britain
D-74-007	Telegraph - Domestic Telegraph Co.
D-74-008	Telegraph - Edison & Murray - General
D-74-009	Telegraph - Edison & Murray - Bills and Receipts
D-74-010	Telegraph - Patents
D-74-011	Telegraph - Western Union Telegraph Company

Additional correspondence for 1874 can be found in Scrapbook, Cat. 1173, Miscellaneous Scrapbook Series.

1874. Edison, T.A. - General (D-74-001)

Correspondence, memoranda, some by Edison; bills, receipts, checks.

Filmed in the following order: correspondence and memoranda, bills and receipts, checks.

All selected.

Newark New Jersey USA
April 24. 1874-

M Jackson Esq
Dr Sir

Send Catalogue - What's price
Metallic Tellurium in lumps not
smaller than a pea head per oz

Yours Thas A Edison
10 & 12 Ward St
Newark New Jersey
U.S.A.

Advt in Telegh Journal

68 Barbican St
London E.C.

Murray put some of Unger's letter in green envelope & turned sparks over & burned. He says he has seen them pieces in his house in Banks Street

(Nov. 1879, letter Edison speaks; Murray at 5 Banks St.)

Newark Dec. 24th 1879

Received of Thomas A. Edison by check on Merchants National Bank for Seven hundred Dollars - which amount if paid is to be taken as part payment of the amount due on a certain promissory note dated July 28th 1879 payable in four months and drawn by said Edison to the order of Wm A. Unger for one thousand dollars - this receipt is in duplicate - one being enclosed in said note

Wm A. Unger
per R. Bringhurst
atty -

Write to R Faulkner 40 Endell st Long Acre London
Catalogue.

Statham, 111. A.1. Strand London Chemists,
Catalogue, illustrated 3 stamps.

Dr Caplatzi Science Depot Chenies st 209
Tottenham court road. Catalogue,

. Stanley. 13 Railway Approach London Bridge SE
1 stamp — Catalogue,

Write to J. Lawrence Smith Esqr Louisville Ky
to obtain Tellurium Ores

Write to Delaney Washington Nebraska Offs
If he will be so kind as to obtain & send by Mail. The book at Govt printing offs —
Mines & Mining in states & Territories west of Rocky Mountains being 5th annual Report (1872) of R W Raymond US Commissioner of Mining Statistics also what works he can obtain free provided we want them.

Mathematical and Philosophical Instruments, Microscopes, Microscopic Apparatus and Prepared Objects, Magic Lanterns, Specimens, Tape Lines, Profile and Engineers' Drawing Paper and Materials, &c.

TERMS ..... in New York Par Funds.
SAMUEL L. FOX,
JESSE S. CHEVNEY,
W. H. WALMSLEY, trading as JAMES W. QUEEN & Co.

NEW YORK, 1/8 1874

Mr. L. A. Addison 102 & 12 Ward St Newark

ILLUSTRATED MANUALS ON THE FOLLOWING SUBJECTS:
Mathematical Instruments, 115 Pages.
Optical Instruments, 54 "
Magic Lanterns, 88 Pages, 10 cts. Each.
Philosophical Instruments, 32 "
62 Pages, " " " "

Bought of **James W. Queen & Co.**

OPTICIANS,

601 BROADWAY, New York. 924 CHESTNUT ST., Philadelphia.

2	Gentis Fallers 20	4 00	
1	Opera Condenser	25 00	
1	Microscope B 29 —	290 00	
	B of —	10 00	$320.00

Rec Payt.

Sent C.O.D.

Centre Market Tea Warehouse, 786 Broad St.

Newark, N.J. June 12 1874

Mr. Addison

Bought of **S. SCHEUER,**

WHOLESALE AND RETAIL DEALER IN

Teas, Coffees, Sugars and Spices,

BUTTER, FLOUR, WINES AND LIQUORS,

Terms Cash. *No. 786 BROAD STREET, cor. Commerce.*

14	Granulated	1	68
3¼	Pork 42 4 dy Prunes 50	1	92
3	Oranges 30 2 Alum & 60		90
2½	Chocolate 16 3 Raisin 60		76
3	Grapes 45 4 pks flour 100	1	45
1	Tea 90 1 Coffee 80	1	70
4	Cinnamon 12 2 Allspice 7		19
5	Soap 90 1 box Starch 20	1	60
		9	50

Rec Payt.

S. Scheuer

☞ This Institution expects Interest to be paid promptly, when due, and without notice.

THE DIME SAVINGS' INSTITUTION.

No. 747 Broad Street,

163

Newark, N. J., 20 Feby 1874

Wm Ward & Comm

Sir: 53 Myrtle St.

Please take notice that the Interest on ~~your~~ one Bond and Mortgage for $2500, held by this Institution, will be due, and payable at our office, on the 15th day of Feby 1874

Yours Respectfully,

Jas Lord Cy

We invite your attention to its prompt payment.

STATEMENT.

Newark, N. J. Feb 2 1874.

Mr. E. O. Scliaus.

To **JACOB GAUCH & BRO.**, Dr.,

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

Jany	To Mitchelas, as per bill rendered,	25	20

Not Responsible for Breakage.

New York, February 15

Mr. T. A. Edison Menlo Pk

The Rohrbeck & Goebel,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C. &C.

No. 4 MURRAY ST., near Broadway.

Terms: C.O.D. for Exprs.

358 Chemical Preparations & Alkaloids inclusive Bottles & Packing	$250 —	
Amount of Bill Oct. 3/76 unpaid	9 50	
		$259. 50

Paid

For a few instances we have taken original Bottles instead of the ordered Quantities, however we will send you specific Bill and write you a particular shortly

Paid by Mur y

Instant.

Last Discount Day

Mr T. A Edison

To the Newark Gas Light Company, Dr.

Office, No. 9 Bank Street.

REGISTER No. 4285

Premises, 97 Wright Street,

For Gas consumed from to May 1 187 6

State of Meter at this date. 7600

Less do at last settlement, 6400

Consumption, 2200

Net 2200 at $1.75 per thousand feet, $ 3.85

NEWARK GAS LIGHT PAID MAY 16 1876

Less 2½ per cent. discount, if paid in Five days after presentation,

The discount is made expressly to insure prompt payment, and no deduction will be allowed, under any circumstances, after the five days have expired. $

Bill Presented, Received Payment, Sanford $

Agent for the following Works:

Revue de la mode, Appleton's Journal, Illustrated London News, The Graphic, Cosmic Art Journal, Illustrated Times, Scientific Magazine, Harper's Magazine, Putnam's Magazine, Godey's Lady's Book, Frank Leslie's Bulletin, Agriculturist, Every Saturday, Phrenological Journal, Home Journal, Leisure Hour Miscellanies, Atlantic Monthly, Scientific American, New Bulls, Infants' Magazine, Harper's Bazar and Weekly, Frank Leslie's Gazette of Fashion, Mme. Demorest's Mirror of Fashion, Chatterbox, Catholic World, Children's Hour, Nursery, Lady's Life, Ric Mondwardi, Blackwood's Magazine, Good Words, Sunday Magazine, Millinery & Dressmaker, Ladies' Magazine, World of Fashion, Young Ladies Journal, &c.

General Agent for N. Y. Evening Post.

Subscriptions received for all the Magazines, below Publishers' Rates.

Newark, N. J. Dec 7th 1874

Mr Edison

P. F. MULLIGAN,

Book Seller, Stationer and News Dealer,

SCHOOL AND BLANK BOOKS OF EVERY DESCRIPTION.

PRINTING AND BOOK BINDING IN ALL ITS BRANCHES

No 927 BROAD STREET, near Hill Street.

To Paper from Mar 24th to Date

" Dare, 15 Weeks $ 3.00

Recd Payment

P F Mulligan

Last Discount Day, _____ Instant.

Mr. T. A. Edison

To the Newark Gas Light Company, Dr.

Office, No. 9 Bank Street.

REGISTER No. 4235 Premises 97 Wright to Aug 1 Street, 187

For Gas consumed from

State of Meter at this date,

Less do at last settlement,

Consumption, ... 110 Thousand feet, $ 3.58

NEWARK GAS LIGHT PAID AUG 13 1874

Less 2½ per cent. discount, if paid in Five days after presentation, ... $ _____

The discount is made expressly to insure prompt payment, and no deduction will be allowed, under any circumstances, after the five days have expired. $ _____

Bill Presented, *Received Payment,* Crawford $ _____

☞ All Claims to be made within Ten Days after receipt of Goods.

N.B.—We do not insure delivery or allowance of Goods, but will do our best to avoid Transportation after Adjustment from our store.

KEROSENE LAMPS, &c
Agency for
FLINT AND GREEN GLASS
FACTORIES.

NET CASH, with Exchange on New York.

New York, August 1 1874.

Mr. T. A. Edison

Bought of Jeremiah Quinlan,

Druggists' Glass Ware of Every Description,

136 & 138 William Street, near Fulton.

2	doz	Fry French Salt Wlos 175	3 50	
6	"	" Drafting 225	13 50	
1	gross	" W.W. Flint	4 50	
		Pure	40	
				21 90

Paid Jeremiah Quinlan

Newark, N. J., Aug 3 1874

Mr Edison

Bought of Newark Cork Works

~~116~~ MULBERRY STREET.

154

E. SHIRES, Proprietor.

CORKS, OF EVERY DESCRIPTION, on hand or made to order.

Aug 4th		
1	Gro Flat Corks No 1	80
1	" assorted sizes	80
		1,60

2

Rec'd Payment

Ethan Shires

New York, Aug 12th 1874

Mr. Thomas A. Edison

Bought of John F. Ellmore

193 Greenwich St

Warm Sold by J. LEACH, Stationer, 95 Nassau and 225 Greenwich Sts.

140	Dz. Calcimen Tubes	8x 1/4		2.25	56
3	" Marks	2.3		1.20	85
3	" Sand Baths	2.3	1/2		85
1	Iron Retort	30	25		2.75
1	Pr.	30			1.75
1	" Mortar Blks	throughout	1/2		90
1	Wedgewood "		5/4		50
1	Pr. Pattering Hammer		6		55
1	Platin. Pr.				25
1	Hydrometer Jar				60
1	Brass Cylinder & foot	5 Pts	100 cc.		2.—
2	Retorts Pyrex	4	16		2.—
2	Pipette Tubes	40	.60		
1	Safety "	20		20	40
1	Reduction "				50
1	"				30
1	Geyler's Potash Bulb				40
1	Carbon Drying Tube				1.—
1	U Tube	8 In			50
1	Chloride Calcium Tube	8 In.			50
1	Bitasche Apparatus				20
2 oz	Acetone	2 Pts	5	30	50
2 "	Carbolic Acid	2	5	20	70
3 "	Oxalic "			6	50
1 "	Aldehyde Conc.	Pt	6	20	18
2 "	Cyanide	2	5	18	36
1 "	Iodide		10	75	85
1 "	Bromine Pot & Fer				40
2 "	Bromide Potassium	Pt	6	15	36
1 "	Sulphocyanide Mercury		6	50	56
2 "	Naphtaline		8	25	56
1 "	Nitrobenzide		5	20	25
6 oz	Codeine		10	6	46
1 dr	Strychnine Crystals		5	70	75
1 lb	Grape Sugar				30
	Paid			Pt	40
					24.57

Respectfully Yours, Thos. A. Edison

Pt 24.57

☞ All Claims to be made within Ten Days after receipt of Goods.

New-York, Oct 21 1874

M

KEROSENE LAMPS, &c.
Agency for
FLINT AND GREEN GLASS
PACTORIES.

N.B.—We do not insure Delivery of any package of Goods, unless we receive from the Carrier a receipt for the same.

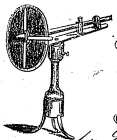
Bought of **Jeremiah Quinlan,**

Druggists' Glass Ware of Every Description,

NET CASH, with Drafts on New York.

136 & 138 William Street, near Fulton.

14	Gr	Spirits	Fl Turks		Pro
					Paid
					J Quinlan



New-York, September 23th 1874.

Mr. T. A. Edison Menlo Pk.

To ROHRBECK & GOEBELER,

Late J. P. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C. &C.

No. 4 MURRAY ST., near Broadway.

per express C.O.D.

		1	Platinum Dish		$ 6	—
		1	Steel Mortar		5	—
1 Bottle	20	1 qt	Sulphuric Acid C.P.	45	—	65
1 "	15	1/2 qt	Chloride Ammonium C.P.	38	—	53
2 "	30	1/2 qt	Caustic Soda C.P.	35	—	3 30
1 "	12	1/4 qt	Nitrate Soda C.P.	25	—	37
1 "	15	1 qt	Sulphide Sodium Cryst.	1.25	—	1 40
1 "	25	1 qt	Hydrochloric Acid C.P.	35	—	60
1 "	25	1 qt	Ammonia C.P.	45	—	70
		2	Test Tube Brushes	25	—	50
		1	Pocket Filter 3 1/2 inch		—	25
		1	do 4 1/2 "		—	30
		1	do 6 "		—	45
		1	Sulphuret Hydrogen Generator Polishing		6	—
					—	45
					$ 26	50
					Recd	

Dec 22 - 1874

Recd from La Edison

$111\frac{20}{100}$ Dolls to be applied

as premium on policy of Life

Insurance for which application

has this day been made

R. Lagenbeck

Secy

(PLEASE BRING THIS NOTICE WITH YOU.)

BRANCH OFFICE OF

The Commonwealth Life Insurance Co.

OF NEW YORK.

755 BROAD STREET, NEWARK, N. J.

.....187.

Mr......

The premium on your Policy No......*for*.....*Months will be due on the*.....*day of*.....*187*.....

Cash Premium, $.....

Cash Interest, $.....

Total Cash Due, $.....

C. LEYENBERGER, Agent.

No. 1 Newark, N. J. Dec 12th 1874

MECHANICS NATIONAL BANK

Pay to the order of Edison & Murray

— One hundred — Dollars.

$100.00/000 Thos. A. Edison

No. 2 Newark, N. J. Dec 15 1874

MECHANICS NATIONAL BANK

Pay to the order of Self

— Sixty — Dollars.

$60.00/000 Thos. A. Edison

No. — Newark, N. J. Dec 21 1874

MECHANICS NATIONAL BANK

Pay to the order of Thos H. DeVaumey

— Sixty Three 50/100 — Dollars.

$63.50/100 Thos. A. Edison

No. Newark, N. J. Dec 22 1874

MECHANICS NATIONAL BANK

Pay to the order of Bearer

— Twenty — Dollars.

$20.00/000 Thos. A. Edison

Newark, N. J., Dec 14th 1874

MECHANICS' NATIONAL BANK OF NEWARK.

Pay to Self or Bearer,

— One Hundred — Dollars.

$100.00/000 Thos. A. Edison

Newark, N. J., Dec 22 1874

MECHANICS' NATIONAL BANK OF NEWARK. NEW JERSEY.

Pay to Edison & Murray or Bearer,

— Fifty — Dollars.

$50.00/000 Thos. A. Edison

No. Newark, N. J., Dec 23rd 1874

MECHANICS' NATIONAL BANK OF NEWARK. NEW JERSEY.

Pay to C. Leyenberger or order or Bearer,

One hundred & eleven 70/100 — Dollars.

$111.70/100 Thos. A. Edison

No.

Newark, N. J. Dec 24th 1874

MECHANICS' NATIONAL BANK

Pay to the order of J. Keyem Genger

One hundred and Eighty two 10/100 Dollars.

$182 10/100

Thos. A. Edison

CERTIFIED. NEWARK, N.J.

No.

Newark, N. J. Dec 24 1874

MECHANICS' NATIONAL BANK

Pay to the order of Bearer

— Fifty — Dollars.

$10 000/000

Thos. A. Edison

No.

Newark, N. J. Dec 31 1874

MECHANICS' NATIONAL BANK

Pay to the order of Self

— Twenty five — Dollars

$25 000/000

Thos. A. Edison

No.

Newark, N. J., Dec 26 1874

MECHANICS' NATIONAL BANK

OF NEWARK.

Pay to Edison & Murray or Bearer,

— Two hundred — Dollars.

$200 00/000

Thos A Edison

No.

Newark, N. J. Dec 26th 1874

MECHANICS' NATIONAL BANK

Pay to the order of Bearer

— Fifteen — Dollars.

$15 000/000

Thos. A. Edison

No.

Newark, N. J., Dec 30th 1874

MECHANICS' NATIONAL BANK

OF NEWARK.

Pay to J. E. Greene or Bearer,

— Thirty — Dollars.

$30 000/000

Thos A Edison

NEW JERSEY.

No.

Newark, N. J., Dec 29th 1874

MECHANICS' NATIONAL BANK

OF NEWARK.

Pay to Edison & Murray or Bearer,

— Seventy Three — Dollars.

$73 000/000

Thos. A. Edison

NEW JERSEY.

No. [redacted]

Newark, N. J. Dec 31 — 1874

MECHANIC'S NATIONAL BANK

Pay to the order of Bearer

— Twenty Five — Dollars.

$25 — 000/000

Thos. A. Edison

1874. Edison, T.A. - Family (D-74-002)

Correspondence.

All selected.

[FROM JACOB EDISON]

Fort Gratiot
April 13th 1871

J A Edison

Dear Cousin
I made out the details
you stress two letters that
we were talking about
when you was here and
I sent it to you to Detroit
and I have not heard from
you since did you get the
deed I gave and let Lutes
you please execute it as
soon as you can and send
it to me as we are all
ready to build and the
Lot rent is running on
for rent on the Lot we own

Dearly and Pitt doesn't
want me to pay him one cent
for he is considerably troubled
fearfully he told me he was
going to marry that thing
on Sunday and I am
fearful he will do it so
he is perfectly insane and
we are all in a great worry
about it. It is strange
how he has turned out - he
has no regard for humanity
or any of his family he is
now going to send the hole
Eckison tribe to go to Rome if he
can but I pray he will fail
Pitt will have a fast ship
in this letter and if you
can oblige me I wish
you would do it immediately
and if not let me know
Jadie

(Pitt)

Pitt write write
you or has done so today
in stead of wasting a
sheet in this letter

Jadie

Toledo Dec 6th 74.

Friend Edison

I have been looking anxiously looking for letter from you as to your success with the car, but nothing as yet.

Now do you want me to come down and board with you again?

Please drop me a letter giving your experience with the car, if you think you have a success of it.

Yours truly

C. T. Page

Homer has sold their family horse, buggy & robe & harness. Stolen & can't find a trace of it.

Tom

Toledo Friday Eve:

Friend Edison

I am in receipt of yours of 19th mailed on 21st. Glad to hear from you. Gen Supt. Wm Mellen is here and leaves to-day for West Point. He may call on you — if so, have nothing to do with him. I did not see him while here, nor did he ask for letter to you, but some other party found out your name and place of living and I very told to-day, was going to see you. Give him no attention whatever.

The ore sent you from Calhoun from the Fuller Mine is of average quality of the 140 ft level — on the 300 ft level it is richer, and richer still. Mellen bought 100 tons same kind just before leaving there for $50.00 per ton. You can decide as to its value, & I want you to tell me soon as you can, and also if you will, with me, go in and buy up enough of the stock to control the mine, & eventually own it

I have a letter to day from an old miner there to a bro in law of his in this city, saying he had been into the Bullion & Cumming's ill, says there is at least 500,000 tons of 1st Class ore in the 300 ft level &c: Soon as you hear what you have thought decide on ordering Car loads, and advise me at once. Hope to hear from you at once

Yours truly
J. S. Pope

Sold with Cost from Jos. Cts 350 $ per Car
Bill Sold to Hunnewell

1874. Railroad - Sarnia Street Railway Company (D-74-003)

Legislative act incorporating the company; agreement.

All selected.

No. 92] BILL. [1874.

An Act to incorporate The Sarnia Street Railway Company.

WHEREAS, Charles Taylor, George Leys, J. G. McCrae, James King, Robert S. Chalmers, Charles Mackenzie, James A. Smith and others, have by their petition prayed for an Act of incorporation, under the name of "The Sarnia Street Railway Company," for the purpose of constructing and operating a street railway in the Town of Sarnia, and adjoining municipalities; And whereas, it is expedient to grant the prayer of the petitioners: Preamble.

Therefore Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. The said Charles Taylor, George Leys, J. G. McCrae, James King, Robert S. Chalmers, Charles Mackenzie, James A. Smith, and such other persons as shall become shareholders of the said company, are hereby constituted a body corporate and politic, under the name of "The Sarnia Street Railway Company." Incorporation. Corporate name.

2. The capital of the company shall be twenty thousand dollars, in shares of fifty dollars each; but the capital stock may be increased by the shareholders as hereinafter provided. Stock.

3. Charles Taylor, George Leys, J. G. McCrae, James King, Robert S. Chalmers, Charles Mackenzie and James A. Smith, shall be provisional directors of said company, to obtain subscriptions for stock, and organize said company, and shall hold office until the election of directors, as hereinafter provided for. Provisional directors.

4. So soon as ten thousand dollars of the capital stock has been subscribed, and twenty per centum thereon paid up, the shareholders shall proceed to the election of a board of directors for the said company, and the provisional directors, or a majority of them, shall call a meeting of the shareholders for that purpose, first giving two weeks' notice thereof, in some newspaper published in the Town of Sarnia. Election of directors.

5. The board of directors shall consist of seven directors, each of whom shall be a shareholder of not less than two hundred dollars, and four directors to constitute a quorum; such election, and all questions to be decided at such meeting, shall be by ballot, by a plurality of votes of the stockholders present in person, or represented by written proxy; each share to have one vote; the directors so chosen shall immediately elect one of their own number to be president, and another to be vice-president, which president, vice-president, and directors shall Qualification. President.

Vacancies.

continue in office for one year, and until others shall be chosen to fill their places; and if any vacancy shall at any time happen by death, resignation, or otherwise, during said year, in the office of president, vice-president, or directors, the remainder of such directors shall supply such vacancy for the remainder of the year; and the election of directors shall take place annually, either on the anniversary of the day of the first election of directors, or such other day as may be fixed by by-law, as hereinafter mentioned.

Commencement of operations.

6. So soon as stock to the amount aforesaid shall have been subscribed and twenty per centum thereof paid up, and the said board shall have been elected in manner aforesaid, the company may commence operations, and exercise the powers hereby granted; but the company shall commence operations within two years from the passing of this Act.

Powers of the company.

7. The company are hereby authorized and empowered to construct, maintain, complete and operate a double or single iron railway, with the necessary side tracks, and turn outs, for the passage of cars, carriages, and other vehicles adapted to the same, upon and along streets and highways within the jurisdiction of the Corporation of the Town of Sarnia, and of any of the adjoining municipalities, as the company may be authorized to pass along, under and subject to any agreement hereafter to be made between the council of the said town, and of said municipalities respectively, or any of them, made in pursuance thereof, and to take, transport, and carry passengers and freight upon the same, by the force or power of animals, or such other motive power as they may be authorized by the council of said town and municipalities respectively by by-law to use, and to construct and maintain all necessary works, buildings, appliances, and conveniences connected therewith.

Powers of the directors.

8. The directors shall have full power to make all by-laws for the management of the company; the acquirement, management, and disposition of its stock, property, and effects, and of its affairs and business; the making and collection of calls on its stocks, and forfeiture thereof for non-payment; the entering into arrangements and contracts with the said town or municipalities; the declaration and payment of dividends out of the profits of said company; the form and issuing of stock certificates, and the transfer of shares; the calling of special and general meetings of the company; the appointment, removal, and remuneration of all officers, clerks, workmen, and servants of the company; the fares to be received from passengers and freight transported over the railway or any part thereof; the intervals of time in running each car; the time within which on each day the cars shall be run; the speed of running the same; and in general, to do all things that may be necessary to carry out the objects, and the exercise of any powers incident to the company: Provided always, that the fares shall not exceed for each passenger five cents for any distance within the said limits of the said Town of Sarnia, and ten cents for any distance from any point within the said limits, to any point outside of the said limits, or from any point outside the said limits to any point within the said limits: Provided, also, that the said company may charge double the said rates or fare between the hours of seven o'clock in the afternoon and seven o'clock in the forenoon.

Stock to be personalty.

9. The stock of the company shall be deemed personal estate, and shall be transferable in such way as the directors shall by by-law direct.

Powers as to real estate.

10. The company may purchase, lease, hold, or acquire and transfer any real or personal estate necessary for carrying on the operations of the company.

Non election of officers not to dissolve company.

11. If the election of directors be not made on the day appointed by this Act, the company shall not, for that reason, be dissolved; but the stockholders may hold the election on any other day, in the manner provided for by any by-law passed by the directors for that purpose, and all acts of the directors, until their successors are appointed, shall be valid, and binding upon the company.

Company may borrow money.

12. The directors of the company may, from to time, increase the capital of the said company for such amount or amounts as occasion may require, and also raise or borrow, for the purposes of the company, any sum or sums, not exceeding in the whole at any time the actual amount of capital stock *bona fide* subscribed and paid up by the issue of bonds or debentures, in sums of not less than one hundred dollars, on such terms and credit as they may think proper, and may pledge or mortgage all the property, tolls, and income of the company, or any part thereof, for the repayment of the moneys so raised or borrowed, and the interest thereon: Provided always, that the consent of two-thirds in value of the stockholders of the company present, or represented by proxy at said meeting, shall be first had and obtained, at a special meeting to be called and held for either or both of the purposes aforesaid.

Town and adjoining municipalities may make agreements respecting construction of railway, etc.

13. The Council of the said town, and of any of the adjoining municipalities, or any of them, and the said company, are respectively hereby authorized to make and to enter into any agreements or covenants relating to the construction of the said railway for the paving, macadamizing, regulating and grading of the streets or highways; and the construction, opening and repairing of drains and sewers; and the laying of gas and water pipes in the said streets and highways; the location of the railway, and the particular streets along which the same shall be laid; the pattern of rail; the time and speed of running of the cars; the time within which the works are to be commenced, the manner of proceeding with the same, and the time for completion; and generally for the safety and convenience of the passengers; the conduct of the agents and servants of the company; and the non-impeding or obstructing of the ordinary traffic.

By-laws according roads.

14. The said town, and the said municipalities, are hereby authorized to pass any by-law, or by-laws, and to amend, repeal, or enact the same for the purposes of carrying into effect any such agreements or covenants, and containing all such necessary clauses, provisions, rules, and regulations for the conduct of all parties concerned, including the company, and for the enforcing obedience thereto, and also for the facilitating the running of the company's cars, and for regulating the traffic and conduct of all persons travelling upon the streets and highways through or along the said railway.

May use sleighs.

15. The company may substitute sleighs for railway carriages, during the winter months, upon the route of their railway.

Penalty for refusing to pay fare.

16. The fare shall be due and payable by every passenger upon entering the car or sleigh; and any person refusing to pay when demanded by the conductor or driver, and refusing to quit the car or sleigh, shall be liable to a fine not less than five dollars, recoverable before any Justice of the Peace.

Manner of laying the rails.

17. The rails of the railway shall be laid flush with the streets and highways, and the railway track shall conform to the grades of the same, so as to offer the least possible impediment to the ordinary traffic of the said streets and highways, and all other ordinary vehicles shall be permitted to use and travel in the said tracks, provided they do not interfere with, or impede the running of the cars or sleighs of the company; and in all cases any carriage or vehicle on the track shall immediately give place to the cars, carriages, sleighs or other conveyance of the company, by running off the track.

Right of railway to road.

No. 92.

Sixth Session, Sixth Parliament, 27 Vic., 1871.

BILL

An Act to incorporate The Sarnia Street Railway Company.

1st Reading, 16th February, 1871.
2nd Reading, 9th March, 1871.
3rd Reading, 14th March, 1871.

(PRIVATE BILL.)

Hon. Mr. Turner.

TORONTO:
Printed by Hunter, Rose & Co.
1871.

Memorandum of agreement made this twenty ninth day of December A.D. 1874. between the Grand Trunk Railway Company of Canada of the first part, and the Sarnia Street Railway Company of Sarnia, Ontario, incorporated by Act of the Parliament of Ontario Cap. 60, 1874 of the second part.

Whereby it is agreed as follows:

First. In order to facilitate the construction of a street railway between Point Edward and the town of Sarnia, the party of the first part hereby agrees to give to the party of the second part a sufficient quantity of old Iron Rails to lay one mile of the said Street Railway, but the said rails are to remain during the continuance of this agreement the property of the said Grand Trunk Railway Company of Canada party of the first part.

Second. The party of the second part hereby agrees to return to the said Grand Trunk Railway Company of Canada the said quantity of old Iron rails at the expiration of Ten years from

the date of this agreement, or may at its option elect to pay for the same at such price as may be mutually agreed upon. The said party of the second part shall be at liberty to use the said rails during the term of Ten Years provided for in this agreement.

The party of the first part hereby grants to the party of the second part a right of way through its Depot grounds and other property at Port Edward, such right of way to be laid out by the Engineer of the party of the first part, or approved of by him and the said Short railway laid through the grounds of the party of the first part as provided for herein, is only to be used for ordinary Short railway purposes as also for the conveyance of such traffic to and from the Railway of the party of the first part as it may be mutually agreed upon from time to time to transport between the Town of Sarnia and the Village of Port Edward over the said Railway

and it is agreed that the privilege thus granted to the Sarnia and Point Edward Street Railway Company of laying its line through the land and Station grounds of the party of the first part is confined to a period of twelve years dating from the date of this agreement.

If the party of the first part should at any time during the continuance of this agreement require for its own purposes the land or any portion thereof belonging to the said party of the first part, upon which the said Street Railway is constructed, the party of the second part shall move the said Railway to such other location as shall be provided by the party of the first part.

That should the said Street Railway Company at any time during the ten years provided for in this agreement allow the said Railway to be closed for a period of six months consecutively, then this agreement

shall be at an end, and the Grand Trunk Railway Company may resume possession of the portion of the right of way through its property hereby granted to the said First Railway Company.

That in consideration of the foregoing terms and conditions the party of the second part agrees to pay to the party of the first part the sum of five dollars ($5.) per annum during the period provided for in this agreement.

Dated this twenty sixth day of December 1874.

Joshua Adams
President
Sarnia Street Railway Co.
J. G. McCrae Sec.
W. D. Edmison
Secretary

Witness to the signature of Joseph Hickson
R. Wright

Joseph Hickson
General Manager
Grand Trunk Railway
Co. of Canada

Seal

[43]

1874. Telegraph - General (D-74-004)

Correspondence, some by Edison; circular for Edison's Ink Recorder; masthead for The Operator; cartoon from The Operator.

All selected.

TELEGRAM.

NEW YORK, NEW HAVEN & HARTFORD R. R.

Received at ..... M.

From New Haven Feb 15th 1874

To T. A. Edison

Newark N.J.

N. J.

I see in press report that J. L. Smith & N. E. Sing have invention that facilitates transmission by Cables.

Please inform me, briefly, what their invention is & oblige

Very truly Yours
E. E. Beach

Feby 24th/1874

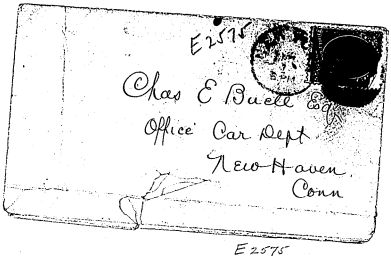
My Dear Sir

Enclosed please find small sheet of Photo Paper – I've had a bad time getting at it. "Better late than never." I hope. Use nitrate of Silver (30 grains to ounce of water) well boiled – and gallic acid developer

Will write at length soon. Write results. In haste

Yours
E. E. Beach
New Haven

T. A. Edison Esq



E2575

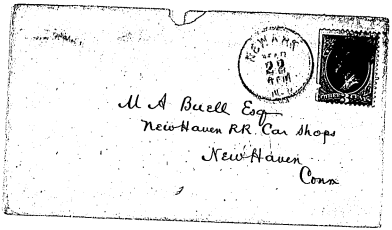
Newark NJ Mch 20 74

Friend Buell

Yours recd. Smith & Sawyer propose to record on Cables with a peculiar printing Telegraph. I dont know how they are to do it & I think they dont entertain the idea that they can work with it but merely want a Charter which is worth something,

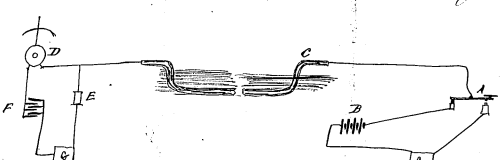
Yours Edison

[CA. MARCH 22, 1874]



E-2575

10 472 Ward St
Newark N.J.



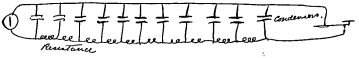
Mr. E. Buell Esq.
Dear Sir

The above is a sketch of the apparatus used on deep sea cables
A is sending key. B is battery
C is Cable D is mirror galvanometer
E is Resistance coil F is condenser
G G is ground plate
As will be seen by the drawing, the cable is always kept charged by the key resting on its back point. The condenser F also.
In charging which the mirror galvanometer is deflected but returns at zero as soon

a condenser is charged to its full capacity

The signal are sent by pressing down key A & putting cable to earth which causes the electrical tension of cable to fall below that of condenser, a current then flows from condenser through galvanometer (deflecting it) & cable until order is established an equilibrium of the latter the deflection is the signal

The effects of induction in cables may be obtained on an artificial cable composed of condensers of the proper capacity separated by resistance coils one set of plates of each condenser being placed in same circuit & alternately with resistance coils & the other plates to earth. If you have equal resistance & capacity identical results will be obtained. In experimenting on cables (artificial) in my shop I generally fix them as:—



E 2575

As you wanted an approximate estimate of Atlantic Cable we give you the following:-

Length of Cable about 2185 miles
resistance " " " 7584 ohms
or about 3½ ohms to mile

The insulating resistance per mile about 325 megohms.
which increased to 294 8 after being laid.
Electrostatic capacity 0·3555 Microfarad per knot.

As you are near Yale College you would do me a great favour if you would get from Prof. Silliman information as to where I could get some Tellurium or at who from, say about 1 barrel.

Yours truly
Th. A. Edison
per Batchelor

Newark May 19. 74

Mr Kinney

Dear Sir

I think I have an

Patch = Kinney of the Advertiser wants a set of Telegraph instruments for a line from advertiser office to his house on Broad st Think our Students Ink recorder would suit - when you have any write him & to say - I think we have some telegr instruments that would suit for proposed line from our ofs to his house Call and see them price $24. per pair - will take it in advertising

Write to Messrs Powers & Weightman Mafola Chemists Phila for price of Metallic Istturum & if they have none to be found ref to inform you where it may be obtained in quantity

write to Prof Cooke Harvard College
Ask Tellurium a
Write to the Editor Mining Gazette don't
Know where gold - Where you can
procure Tellurium Ore in quantity,
Sig "C.B." Chas Batchelor

Where is that little round dredged.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

No.

The rates of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

G. H. MUMFORD Sec. T. T. ECKERT, Gen. Supt., New York. WILLIAM ORTON, Pres't.

Dated

Rec'd at 178 Market St., Newark, N.J.

Sept 26 187

To Batch

Tell Edison to look at the telegrapher Sept 26th Read it Well see if he thinks best to answer it. and if so to give us some points "Solid one" in ~~writing~~ Writing if he thinks it Worth while and Give us some points to ansr his part if it will take ~~to advance~~ a drise of Plymouth Church & "Give Em Hell" Allen & I will Work

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

No.

The rates of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

G. H. MUMFORD Sec. T. T. ECKERT, Gen. Supt., New York. WILLIAM ORTON, Pres't.

Dated

Rec'd at 178 Market St., Newark, N.J.

To 187

on our part tomorrow and then put whole thing together if he thinks better not answer it only we will drop his part & may probably answer his our part. They are a party of Damned Slanderous Damned rascals and ought to be pushed to the front at least I think so Dam em tell him to give it to us

Blank No. 2.

THE WESTERN UNION TELEGRAPH COMPANY.

ALL MESSAGES TAKEN BY THIS COMPANY SUBJECT TO THE FOLLOWING TERMS:

To guard against mistakes, the sender of a message should order it repeated (at half the regular rate) back to the originating office. For repeating, over half the regular rate is charged in addition. And it is agreed that the Company shall not be liable for more than the price paid for sending the message, nor for loss or delay in the transmission or delivery, or for errors in transmission or delivery of any unrepeated message, beyond the amount received for sending the same; nor for mistakes or delays in the transmission or delivery, or for delivery of repeated messages, caused by the negligence of other companies or by accidents to machines, or from any cause beyond their control; nor for any mistake arising from incorrect interpretation in the writing of their blanks, or for errors in cipher or obscure messages. And the Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other Company when necessary to reach its destination.

No claim for damages, whether for negligence or otherwise, against the Company, can be entertained unless it be presented in writing, stating specifically the nature and extent of the claim, within sixty days after the message is sent, in addition to the usual charge for repeated messages, the compensation for any mistake or delay in the transmission or delivery, or for the non-delivery of a message, shall not exceed five dollars, or ten per cent. for any greater distance. No employee of the Company is authorized to vary the foregoing.

The Company will not be liable for damages in any case where the claim is not presented in writing within sixty days after sending the message.

GEO. H. MUMFORD, Secretary. (THOS. T. ECKERT, General Superintendent, New York.) WILLIAM ORTON, President.

187

Send the following Message subject to the above terms, which are agreed to:

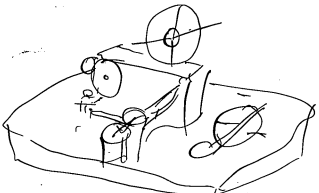
To

With his cuts Monday P.M. We can straighten up things for time

Yours.

EDISONS INK RECORDER.

For Amateurs, Students, and Short Lines.



[Patent Applied for]

~~This apparatus is so precisely similar to~~
This apparatus has been especially devised
to supply a want long felt by students
of telegraphy to wit an instrument ~~which~~
~~should~~ to record the message upon paper so that
the student may be enabled to
learn the proper method of forming
the letters by the Key by reference
to the printed slip, ~~Add Amount~~
~~Apparatus unit~~ and also to allow of
immediate use as a means of
Communication without the necessity
~~of Telegraphy~~ of learning to read by

sound, the fact that the message can be read by sound and at the same time is recorded in ink facilitate wonderfully the acquisition of Sound Reading.

It supplies another want among those who do not intend to become professional telegraphs but who, merely require an apparatus to communicate between one house another or any office and a factory or between houses of several persons for operation & amusement ~~and who do not intend to become professional telegraphs or can spare great time and attention necessary to learn Sound Reading~~ [illegible] by counting for a relay of keys of any length [illegible] [illegible] The apparatus is highly finished and is better made than a majority of the ~~best~~ best telegraph instruments as for price we defy any ~~telegraph~~ maker ~~in the Country~~ to even manufacture it at the price which ~~we can sell it~~ we can sell it for is sold →

EDISONS INK RECORDER.
For Amateur Students, & Telegraph Lines

This Apparatus has been

THE OPERATOR.

PUBLISHED ON THE 1st AND 15TH OF EACH MONTH,
AT 25 NASSAU STREET.

THIRD VOLUME.

TERMS:

One Copy one year.....$1 25
" Six Months..... 75
" Three Months..... 35
(invariably in advance.)

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ALLEN & WILLIAMS, Publishers.

P. O. Box, 3,332.

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(Started Mar. 1 1874.)

THE OPERATOR

The Journal of the Telegraph Operator.

Published in the City of New York on the 1st and 15th of each month, and sent postpaid to any part of the U.S. on the following terms:—

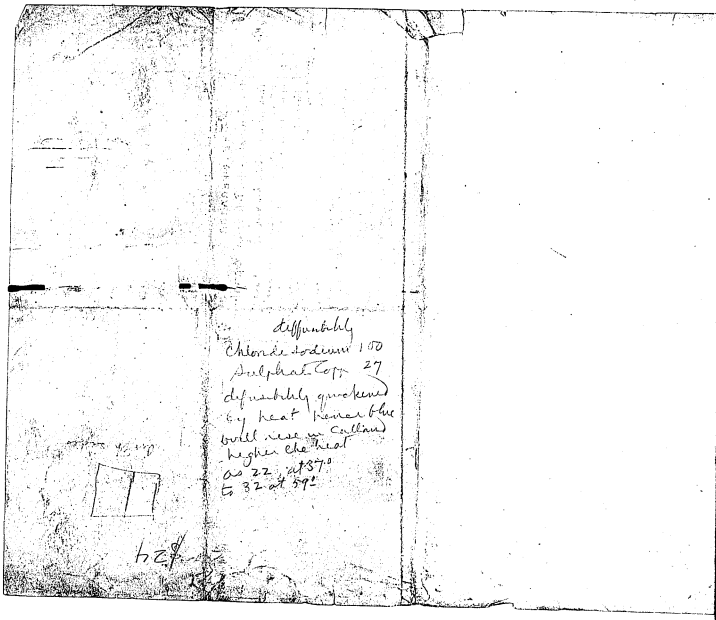
Three months - - - - - - - - - - - - 35 Cents
Six " - - - - - - - - - - - 70 "
One Year 1.30

On and after the 1st of Sept 1874 this journal will devote a large portion of its space to the publication of original correspondence written in clear and simple style without technical phrases or algebraic formulæ, and accompanied with numerous illustrations, send two stamps for sample number.

Address all communications to:—

Allen & Cahill
W U Telegraph Office Broadway N.Y.

[ON BACK OF PRECEDING PAGE]



OPERATOR CARTOON

(1868)
(1874)

Trouble on the "Quo"

1874. Telegraph - Automatic Telegraph Company - General (D-74-005)

Correspondence, promissory notes and protests, receipts, telegrams from the Automatic Telegraph Company to Edison and Batchelor ordering materials and repairs.

Telegrams have been filmed after other documents.

All selected.

Office of the Automatic Telegraph Co.,
80 Broadway,
New York, February 8th, 1874.

To the Hon. Jno. A. J. CRESWELL,
Postmaster General.

SIR: In a communication addressed to the Postmaster General, bearing date the 6th December last, and published in the daily journals on the 27th, the President of the Western Union Telegraph Company used the following language in relation to the Automatic System of Telegraphy:

"It would require 24 perforators, 48 copyists, and at least three more to attend the transmitting and receiving instruments and the perforators, making a force of 75 (which he subsequently enlarged to 80) to accomplish in an hour the work performed with 16 operators, on 8 wires, by the Western Union in the same time; * * It would be decidedly cheaper for the W. U. to provide and maintain seven additional wires between Washington and New York, than to maintain such a force at both places as would render it possible to transmit and deliver, by the Automatic process, 12,000 words within an hour of the time of filing."

These statements are clear, concise and unqualified, and, emanating from the President of the W. U. Co., are invested with an authority which otherwise would not attach to them.

If they can be sustained; that is, if the assumption is correct that the well-known defects and deficiencies of the English or Wheatstone automatic system, so clearly and succinctly set forth by him, are applicable to the American Automatic system, I shall be forced to admit that the last "four years of constant trial, during which large sums of money have been expended in practical experiments," with which he so unkindly reproaches us, and to which we plead guilty, have been expended in vain.

He admits that the transmission, by the American system, has been increased from comparatively few words per minute to 12,000 words, in 20 minutes, over a single wire. Is it not barely possible that "four years of time and large sums of money" may have developed other improvements whereby the fatal defect of five Automatic operators to one Morse may have been overcome, and even have gone so far as to justify the assertion that, with a like number of equally skilled operators, much more may be accomplished in any given time by Automatic than by Morse, and at a largely reduced cost?

It would be a waste of words to meet assertion merely by counter-assertion. The only effectual mode of testing the question was by a public demonstration in presence of disinterested and unimpeachable witnesses, who should note the time and number of operators engaged in the work.

The transmission of the President's last annual message by the Western Union, in 80 minutes, as reported by some of their employees—in 70 minutes, as announced in the *Tribune* on the morning after the performance—and in 59 minutes, average time, was pronounced "a feat unparalleled in the annals of telegraphy," which he declared to be impossible of performance by the Automatic system, with less than 75 or 80 operators.

To accomplish this masterpiece the Western Union used the Morse system, 8 wires and 16 of their most accomplished operators.

It must be admitted that, to fully and fairly demonstrate the merits of the two systems of Morse and Automatic, the manipulators of each should be equal in experience and practice.

The Western Union has a corps of 5,000 operators, more or less, from which to select, many of whom, from long years of practice and experience, have attained a degree of professional skill and ability unequaled in any other country.

The whole corps of Automatic operators, including the Morse operators who manipulate the wires, and the perforators and copyists, distributed in their several offices in New York, Philadelphia, Baltimore, and Washington, aggregate but *twenty-one* persons. The first are excelled by none; the latter class comprises various degrees of efficiency, though none with sufficient practice to be classed as experts.

To enter the lists under these disadvantageous conditions, in competition with the Western Union, with their accumulation of wires, their consummate skill, long experience and thorough organization, with our twenty-one comparatively inexpert operators and our single wire, was a step which required consideration and justified hesitation on our part, the more especially as any other or less standard than that "unparalleled feat" was not permitted us.

The Automatic Company, however, after due deliberation, determined upon a trial, notwithstanding it would subject our daily business to much inconvenience and delay, and thereupon the requisite number of perforating instruments were sent to Washington, and on Monday, the 26th January, a sufficient number of operators were congregated in the respective offices at Washington and New York, and, to meet our supposed necessities, we were obliged to impress into service, as copyists, an office lad and four unaccustomed outside, temporary assistants.

They numbered, one transmitter, one receiver, ten perforators, and thirteen copyists—or an aggregate of twenty-five operators.

The trial took place on the following day, and the result, as per report of our manager, copy of which I have the honor to enclose, together with the certificates of the gentlemen who kindly noted the operations, shows the whole time occupied from beginning to conclusion, to have been sixty-nine minutes, as against their seventy minutes; and the average time fifty-five and a half minutes, as against their average of fifty-nine minutes; with a declaration that, "with the experience gained in this demonstration, I am confident that we could readily dispense with at least two perforators and three copyists, and yet perform a like amount of work," and he might have safely added that, with the experts, practice and experience are sure to develop, a like amount of work may be accomplished with about one-half the number used on this occasion.

Thus is his charge of *numbers* disposed of.

In regard to cost of operating force, I estimate their sixteen operators

At $100 per month		$1,600	$19,200 per annum.
Automatic transmitter and receiver (Morse operators),			
2 at	$100	$200	
23 perforators and copyists at	40	920	
		$1,120, or	$13,440

Difference in favor of Automatic..... $5,760, or 30 per ct.

which favorable difference will be materially increased with thorough experts.

That there may be no misapprehension on the point of numbers or operating cost, let it be borne in mind that an Automatic operator can, with equal facility, perforate or copy,

as the exigencies of business may require, thereby rendering it unnecessary to maintain a double force.

As a commentary upon this overwhelming result as to time, number of operators and relative cost, I place in juxtaposition his assertion, that "It would be decidedly cheaper for the Western Union to provide and maintain seven additional wires between Washington and New York than to maintain such a force at both places as would render it possible to transmit and deliver 12,000 words within an hour of time of filing."

I present to you a statement, based upon Western Union data, of the cost of providing and maintaining additional Morse wires, except that I have stated the cost of wire $25 per mile *below* their usual estimates.

On the 12th December last, as you are aware, in presence of yourself and other gentlemen, we transmitted from Washington to New York, over our one wire, about 12,000 words in twenty-two and a half minutes, by no means, let me assure you, an "unparalleled feat" with us.

The Western Union required eight wires and one hour for like service. Therefore our Automatic wire was thus shown equal in capacity to twenty Morse wires.

If, therefore, there is sufficient business to require twenty Morse wires (and the W. U. has, I believe, more than forty leading from New York south), we can do a like amount of business on one wire.

From New York to Washington, by direct line, the circuit is, say, 250 miles.

Extra Morse wires to supply a capacity equal to *one* Automatic wire, 19.

250 miles : 19 : 4,750, at $75.....	$356,250 00 additional capital.
7 per cent. annual interest.....	$24,937 50
His last annual report states the annual cost of maintenance and repairs at $8.66 per mile of wire.	
Accepting his own data.	
4,750 miles additional wires, $8.66.....	$41,135 00
Annual cost of providing and maintaining additional Morse wires, equal in capacity to one Automatic wire.....	$66,072 50

which would be more than 50 per cent. on the whole Automatic investment.

With but seven additional wires, which will be fully occupied while our *one* wire will be occupied but one half the time:

250 : 7 : 1,750 miles, $75.....	$131,250 00 additional capital.
7 per cent. interest.....	$9,187 50
Annual maintenance and repairs, 1,750 miles, $8.66	15,155 00
Annual excess over Automatic, exclusive of economies in operating.....	$24,342 50

or more than 20 per cent. on the whole Automatic investment. Extend this over the United States, and estimate the result; comment thereon is unnecessary.

The President of the Western Union Company in his last annual report, declared:

1st. That *at times* all their wires between principal points were fully occupied.

2d. That telegraphic business in the United States, "is still in its infancy."

3d. That the number of messages was rapidly increasing;—thus, the number sent in 1866–7 was 5,500,000; and in 1872–3, 14,450,832;—to which latter should be added the large number sent by the independent companies organized since 1867.

In his argument before the Washburn Committee, he stated that an increase of business, assuming existing wires to be occupied, would necessitate a corresponding increase in the number of wires (of course, with the Morse system).

A growing business which, with the Morse system, would be constantly demanding more wires, might swell a thousand per cent. before the necessity for an additional wire would be created, if operated with the Automatic system. And when it is considered that each additional wire, say to Chicago, costs from sixty to seventy-five thousand dollars, or to New Orleans double that sum, the enormous economy of the Automatic system demonstrates itself.

In relation to current expenses of operating, we shall employ the highest Morse skill in manipulating our wires; but I beg you to bear in mind that each operator will accomplish from ten to twenty-fold more with the Automatic than with the Morse.

To attain expertness as a Morse operator requires several years of close application and constant practice, and but few of those who attempt it reach the highest class. Such are entitled to high compensation.

To attain expertness as a perforator and copyist is within reach of the many in a comparatively short time, and, therefore, such may be had at a much less average compensation, while the product will exceed the average attained by the Morse operator; and, lest the question should be raised, I assert that we can drop copies in any number of offices at will.

This demonstration was simply to determine whether the criticisms to which the English system of Automatic telegraphy may be obnoxious are applicable to the American system. I contend that the result justifies me in asserting that they are not; and furthermore, that "the four years of constant trial and large sums of money" which have been expended to accomplish *cheap telegraphy*, acknowledged to be beyond the reach of the Western Union Co., have not been expended in vain.

The overwhelming advantages of the Automatic over the Morse system, in the comparatively small amount of capital required—say one-fifth; in its economy in operating—say a clear saving of one-third; in the enormous difference in maintenance and repairs—say as two wires are to thirty; in interest, etc., etc., will be demonstrated, in due time, by uniformly low tariffs, which we believe will be satisfactory to the public, and meet all just demands for cheaper telegraphy.

In view of the opinions expressed in your annual report, that, "as soon as it (the automatic system) shall be thoroughly developed and applied in practice, the problem of cheap telegraphy will be definitely solved," I have taken the liberty to thus submit for your consideration this evidence of the actual practical condition of that system which, in my judgment, shows that the problem of cheap telegraphy has already been solved; and permit me to add that its practical application to circuits between the principal commercial centers of the country has been definitely arranged.

With great respect,

I have the honor to be,

GEORGE HARRINGTON,

President of the Auto. Tel. Co.

General Office of the Automatic Telegraph Company,

66 Broadway, New York,

January 28th, 1874.

HON. GEORGE HARRINGTON, *President.*

SIR,—I respectfully submit the following report of the work done in the demonstration made on Tuesday evening, January 27th, as per your instructions of prior date. The matter selected for the purpose was the President's late message and the Spanish protocol.

STATEMENT:

Matter transmitted,	11,100 words.
Length of Circuit,	281 miles.
Conductors used,	1 wire.

Labor:

New York,	Morse operator,	1	Total, 25 operatives.
	Copying operatives,	13	
Washington,	Morse operator,	1	
	Perforating operatives,	10	

Time:

		H. M.	Mins.	
Washington,	Perforating commenced,	5.39	45½	Total time, 69 minutes.
	Perforating completed,	6.24½		
New York,	Copying commenced,	5.42	66	
	Copying completed,	6.48		

Cost:

Morse operators,	. . . .	$100 per month.
Automatic operatives,	. .	40 " "

The characters were perfectly legible and well defined, and were copied with great facility.

The average time during which the perforating operatives were actually at work was forty-five and a half minutes making an average per operative, per minute, of twenty-five words.

The average time of copyists was fifty minutes, making an average per copyist, per minute, of seventeen words.

Unlike the Western Union Co., we had no large corps of operators from which to select our working force, but were compelled to utilize *all*, good, bad and indifferent, which makes it proper to call special attention to the above averages made.

The whole time consumed was sixty-nine minutes, as against the published record of seventy minutes by the Western Union in their late effort.

The average time occupied by Automatic was fifty-five and a half minutes.

The average time occupied by Western Union (as reported) was fifty-nine minutes.

An unfortunate defect in the paper caused much delay in the transmission, otherwise still less time would have been consumed. No attempt, however, was made to attain a high speed of transmission on this occasion, as that point had already been yielded and incontestably proved in the presence of the Hon. Jno. A. Cresswell, Postmaster General, and numerous other gentlemen, including Senators and Representatives in Congress, on the evening of December 11th, 1873, when we transmitted some 12,000 words over our one wire from Washington to New York in twenty-two and a half minutes.

Our operatives were congregated at Washington and New York on Monday, January 26th, and were tested for the first time on the evening of that day. I call attention to this, in anticipation of the charge that the time which has elapsed since the publishing of the message has been improved by our operatives in practising upon it.

With the experience gained in this demonstration, I am confident that in another we could readily dispense with at least two perforators and three copyists, and yet perform a like amount of work.

Respectfully,

E. H. JOHNSON,

General Manager.

NEW YORK, *January* 28, 1874.

We were present in the office of the Automatic Telegraph Co. last evening, whilst they were receiving the President's message and the Spanish protocol, from Washington.

At 5.39, P.M., Washington signaled that the perforating had commenced.

At 5.43, the first portion of the message was received and handed to the copyists

At 6.42, the last portion was received.

At 6.48, the copying was finished: the whole time occupied being 69 minutes.

There were 12 copyists in the room; but we noticed that two or three were unemployed a portion of the time, so that, had all been constantly employed, there would have been several minutes saved in the aggregate.

The writing was perfectly legible, and the copyists translated with great facility.

(*Signed*)

JAS. G. SMITH, *A. G. Supt. A. & P. & Franklin Tel. Cos.*
H. G. PEARSON, *Assistant Postmaster, N. Y.*
EDWARD W. SERRELL, *C. E.*
JAMES H. WILSON (of Winslow & Wilson).
HIRAM BARNEY.

OFFICE AUTOMATIC TELEGRAPH CO.,
Washington, D. C.

E. H. JOHNSON, Esq., *General Manager.*

At the test which took place on Tuesday evening, January 27th, the late annual message of the President, together with the Spanish protocol, amounting in all to Eleven Thousand One Hundred and Thirty (11,130) words, was perforated by ten perforators, and transmitted automatically, by one Morse operator, in the following time:

Perforating commenced, 5.36* P. M.
" completed, 6.21½. " Time, 45½ minutes.
Transmission commenced, 5.40.
" completed, 6.39. Time, 59 minutes.

The above is New York time, as computed by Washington Observatory time.

Respectfully,
P. B. DELANY, *Manager.*

Having witnessed this test throughout, we can certify to the correctness of the above statement.

(*Signed*)

ROBERT B. LINES (*of Post Office Department*).
D. J. GIBBON, *U. S. A.*
Acting Signal Officer.
H. W. HOWGATE, *U. S. A.*
J. H. LATHROP.

The Hon. E. Crosland.
H. of Rep.
Wash. D.C.

J. C. REIFF, Sec'y & Treas. GEO. HARRINGTON, President.

OFFICE
Automatic Telegraph Company,
No. 80 BROADWAY.

New York, May 26 1875

My dear Edison —

I sometimes fear you feel disappointed, because they move slowly, & you see no return for your labor & A. T. Now you know I am your staunch friend & never will complain of your or your intended impatience, but shall go along as heretofore work out to the general interest as rapidly as possible —

Of course I have not yet received a cent, or none of my money but all has gone towards getting it into its automatic & believe it a great deal more will come out, but I have made up a little statement to show that we have not been idle —

Find I have spent Money as shown Left last 18.646
+ J. A. E. on his personal account $7,987
$16,733.

You will see in detail with the form I send the above data, it appears to be a very heavy item, perhaps much of it unnecessary.

I send you the statement simply to show you the progress of work & money — you know best as to what to do with it —

10.45 A.M. (174)

Newark N.J. July 12. 1870

Dear Tom

Mr. Crosby was in my office to see me yesterday afternoon he told me that Mr Grace had decided on an interference against the automatic for using his ~~Grace~~ Grace perforator. and they wanted me ~~to~~ as a witness for them. I told him I did not know as I would be able to tell them anything that would do them any good.

I went to see Roff and told him about it, and he thought I had better see you and get all the necessary points so if they did happen to call on me at any time I might be prepared to answer all right I will call at 2 this P.M. to see you

Yours very Respt

W. Unger

Newyork Sept 11

Had some letters to write today, Will be over Monday to practice. Everything will be in readiness for me in Wash. Make it exclusive if possible.

Miles

Newark N.J. Nov 6th 1874

J C Reiff Dr.
To T A Edison,

Salary from the 5th of November 1873 to the fifth of November 1874 at rate of $2000 per year as per agreement for services performed.

$2000

Recd Payment

United States of America, } ss.
State of New York.

On the Eighteenth day of September in the year of our Lord one thousand eight hundred and seventy-three, at the request of

The National Park Bank of New York,

the holders, I, [illegible] Notary Public, duly admitted and sworn, (dwelling in the City of New York), did present the original Promissory Note — (hereunto annexed.)

To the order of Pedro Cravenny

in the City of New York

and demanded payment of said Note which was refused.

Whereupon, *I, the said Notary, at the request aforesaid, did* ***Protest,*** *and by these presents do publicly and solemnly* ***Protest,*** *as well against the maker, drawer, and acceptor and endorser of the said Note as against all others whom it doth or may concern, for exchange, re-exchange, and all costs, damages, and interest already incurred, and to be hereafter incurred, for want of payment of said Note*

Thus Done and Protested, *in the City of New York.*

In Testimony Whereof, *I have hereunto subscribed my name, and affixed my official seal, on this day of 1873.*

[illegible]

Notary Public.

Pedro Cravenny
Pres 3
Edward Mooney

[illegible]

United States of America, } ss.
State of New York.

On the Eighteenth day of November in the year of our Lord one thousand eight hundred and seventy-three, at the request of

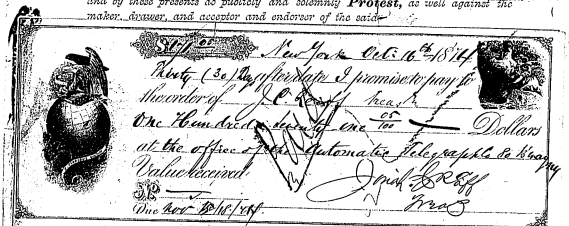
The National Park Bank of New York,

the holders, I, Thomas B. Coe, Notary Public, duly admitted and sworn, (dwelling in the City of New York), did present the original Promissory Note (hereunto annexed.)

To the makers at No 80 Broadway in the City of New York

and demanded payment of said Note which was refused.

Whereupon, I, the said Notary, at the request aforesaid, did **Protest,** and by these presents do publicly and solemnly **Protest,** as well against the maker, drawer, and acceptor and endorser of the said Note.



J C Reiffel Note
Dec 1874

FOR

Holman Lucas 1st

Josiah C. Reiffel 2d

	11 05
Protest,	$0.75
Postage,	06
Notices,	40
	121

1 1.21 ?

BARLOW & OLNEY,

ATTORNEYS-AT-LAW and NOTARIES PUBLIC,

No. 21 Park Row, New York.

United States of America,
State of New York, } ss.

I, HANSON C. GIBSON, Notary Public for the State of New York, duly Commissioned and sworn, dwelling in the City of New York, **Do Hereby Certify**, that on the 5th day of Dec. in the year of our Lord one thousand eight hundred and seventy-four, at the request of

THE HOLDERS THEREOF,

the original PROMISSORY NOTE, hereunto annexed, was duly presented at place where same is made payable to a clerk in charge thereof

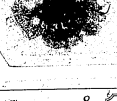
and payment demanded, which was refused.

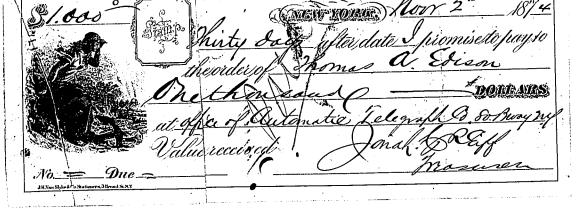
Whereupon, I, the said Notary, at the request aforesaid, did **Protest**, and by these presents do publicly and solemnly **Protest**, as well against the Maker and Endorsers of the said **Promissory Note**, as against all others whom it doth or may concern, for exchange, re-exchange, and all costs, damages, and interest, already incurred, and hereafter to be incurred, for want of payment of the said **Promissory Note**.

IN TESTIMONIUM VERITATIS

NOTARY PUBLIC
FOR
Bank of New York, N. B. A
and Manhattan Company.

Mech. nat. Bank N.Y.





Protest $1000

Fees of Jacob C. Goff Esq. $10

For

O. L. Baldwin

Maker

Dated New York Dec. 5th 1874

Fees and Expenses, $1/25
10

1001 35

BD

Mr Kurz &
Mr Muchnick

HANSON C. GIBSON,

Attorney and Counsellor at Law

No. 68 Wall Street, N. Y.

Bowne & Co., Stationers and Printers, 62 Liberty St., N. Y.

Mr Kurz
Mr Muchnick

Protest $1000

Fees of Jacob C. Goff Esq. $10

Dated New York Dec. 5th 1874

Fees and Expenses, $1/25
10

1001 35

Hanson C. Gibson
68 Wall Street

Bowne & Co., Stationers and Printers, 62 Liberty St., N. Y.

0 0 0 6 3

John A. Dix

...est of Note and Bill of Exchange. H. Craker, Jr. Printer, 140 Chambers Street.

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United States of America. State of New York. } s On the 15 day of Dec. 1874.

at the request of The North River Bank, in the City of New York, I WILLIAM APGAR, a Notary Public duly commissioned and sworn, dwelling in the City of New York, did present the original Promissory Note hereunto annexed for payment at the office of the Automatic Telegraph Co. to the Cashier thereof

and demanded payment thereof, who refused to pay the same.

Whereupon I, the said Notary, at the request aforesaid, did Protest and by these presents do publicly and solemnly Protest as well against the Maker and endorsers of the said Note as against all others whom it doth may concern, for exchange or re-exchange, and all costs, damages and interest already incurred, and to be hereafter incurred for want of payment of the same.

Thus done and Protested in the City of New York, aforesaid in the presence of John Doe and Richard Roe, witnesses

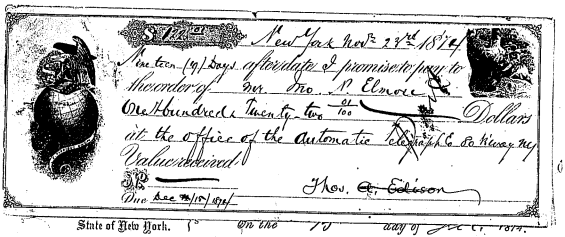
IN TESTIMONIUM VERITATIS.

Notary Public.

For the North River Bank, 187 Greenwich Street.

United States of America, STATE OF NEW YORK. City and County of New York. } S S

I, WILLIAM APGAR, a Notary Public, duly commissioned and Sworn, dwelling in the City of New York, do hereby certify, that on day of 18 notice of Protest of the before mentioned was served upon



$ 122.00 New York Nov. 29th 1874

Fourteen (14) Days after date I promise to pay to the order of Mr. Mo. P. Elmore

One Hundred & Twenty-two 00/100 Dollars

at the office of the Automatic Telegraph Co. 84 Liberty St. N.Y.

Value received

No. ——

Due Dec 14/10/1874

Thos. A. Edison

State of New York. } On the 10 day of Dec. 1874

as the request of The North River Bank, in the City of New York, I, WILLIAM APGAR, a Notary Public duly commissioned and sworn, dwelling in the City of New York, did present the original Promissory Note hereunto annexed for $ 122.00 at the office of the Automatic Telegraph Co. to the Cashier thereof

and demanded payment thereof, who refused to pay the same.

Whereupon I, the said Notary, at the request aforesaid, did Protest and by these presents do publicly and solemnly Protest as well against the Maker and endorsers of the said Note as against all others whom it doth may concern, for exchange or re-exchange, and all costs, damages and interest already incurred, and to be hereafter incurred for want of payment of the same.

Thus done and Protested in the City of New York, aforesaid in the presence of John Doe and Richard Roe, witnesses

IN TESTIMONIUM VERITATIS.

Wm Apgar
Notary Public.

For the North River Bank, 187 Greenwich Street.

United States of America,
STATE OF NEW YORK. } S S.
City and County of New York.

I, WILLIAM APGAR, a Notary Public, duly commissioned and Sworn, dwelling in the City of New York, do hereby certify, that on day of is notice of Protest of the before mentioned was served upon

Note (Edisons)

Nov 23. 1874

Protest $122 01/

Thos A. Edison

FOR

[illegible]

New York Dec. 15 1874.

WILLIAM APGAR,

Notary Public for the North River Bank.

FEES,	75 Cts.
NOTICES, &c.	-50
	1.25

WILLIAM APGAR,

Counsellor at Law.

North-River Bank Building, 187 Greenwich St.

Will attend promptly to the collection or securing of Debts, Protesting of Promissory Notes, Drafts, &c.

The Automatic Telegraphic
To James Lipsey, Dr

To balance due for services
rendered said Company from
Augt. 1874 to Dec 17th 1874. $83.00
" retainer paid Counsel in Matter of Claim 5.00
$88.00

Rec'd Payment
Jas. Lipsey

1874

Dear Edison

We want to have an interview with Sorell + test the validity of certain claims + patents o Frank you to be there as our Hamlet in the play - Leaks - Rollin pens - branch circuits - Will you post yourself with Pap o Volume - o Smith made an appt with Sorell as soon as you are ready -

Truly Harrington

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check, NY

Dated NY 187 } Received at Feb 2 1874

To Edison

Please send me over San as Rosario two Good Sounders & Keys for North Street line all reading for them

Stotbrand

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated 187 } Received at Mch. 15th 1874

To Batchelor 187

Please send a man over past thing this morning to fix two perforators at Broadway telegraph office Saturday evening & have more there until can send & fix them

Stotbrand

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated NY 187 } Received at Mch 18

To Edison 187

The man who came last to fix perforators neglected to fix one which had catch & spring on paper feed broken Please send him over early in morning to fix it at Main office

S Johnson

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated N.Y. 187 Received at Mch 18

To Edison 187

Please look me up a little needle apparatus & Let someone Coming over tomorrow bring it

E. H. J.

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated Baltimore 187 Received at Mch 19

To Edison or Back 187

Please send some gum

Smith

Baltimore

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated Phila 187 Received at Mch 19

To Edison 1874

Please send some Automatic Glue

B F Johnson

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N Y 187 } Received at Mch 20 1874
To Edison

Please send friction roller standard for receiving arm of Mimeograph to Trenton today. Also send supply perforating paper not too wide

Stallmand

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N Y Mch 25 1874 } Received at Newark
To Edison } 330 Mch 25 1874

Please send me supply of Cyanide all only

Stallmand

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N.Y. Apl 4 187 4 } Received at
To Edison } 187

Please send B.P. Johnson supply of Cyanide today

Stillwand

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N.Y. Apl 4 187 } Received at
To Edison } 187

Phila says must have receiving paper immediately also supply perforating paper soon as possible please send me automatic glue

Stillwand

Mr Wolfsohn
516 East Warren St
Brooklyn

Tell Mr Adams to bring
2 wrappers to Stewart &
eighth Ward st.

Mr Adams.

Sunshine Summer
Collection
Kensington
Queens Co. Museum

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated N.Y. April 1874 Received at Newark 1874

To Edison

Send me the paper Spoodles you have to the following address Cumberland Mills Portland Maine Pier 38 East River at once

J. C. Reiff

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated N.Y. Apl 16 1874 Received at 187

To Edison

Please send Smith at Ballo a supply of Cyanide

Stollerand

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated N.Y. Apl 17 1874 Received at 187

To Edison

Please send Dyley by steamer 25 main battery Grenet

E. Hall

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated Phila Apl 28 187 4 } Received at
To Edison } 187

We need to night without fail some more perforating paper & auto Slip Must have it

B F J

(1)

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N Y 187 } Received at
To Bachelor } 187

Send over a perforator

Murray

(2)

J. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company,

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated 187 } Received at
To } 187

Please send some fine plans were over by some one today, must have it to get good working

Stillwell

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated 187 | Received at

To Edison or Batchelor 187

Have you a transmitter at the [illegible]
Can send tonight express to Phila
If so send it & send at once answer
to Chester

E J Johnson

(4)

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated 187 | Received at

To Batch 187

Please rig up with carbon current
which would serve to unwind the
perforating paper & send it over
by the first boat Coming over

E J Johnson

(5)

J. C. REIFF, Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON, President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA. 310 Chestnut Street, 130 South Front Street.

NEW YORK. 66 Broadway, 19 New Street, 108 Front Street.

WASHINGTON. 1409 Pennsylvania Ave. St. Marc's Hotel, cor. 7th St. and Pa. Ave., House of Representatives, Capitol.

Check,

Dated N Y 187 | Received at

To Edison 187

Please send over a bunch
+ fastener to put on the feed end
of my paper writer. Like the
standard on ours Please send
it at once so Can work some
paper

Stollmand

T. C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated N York 187 } Received at
To Batchelor } 187

Please wire me a relay with
tin foil between every two
layers of wire to allow
to be about two hundred
& fifty 250 Ohms. If you have
not set would the coils for
the line 15 Relays hold up
on short circuit E. L. Johnson

C. REIFF,
Sec. and Treas.

BLANK No. 2.

GEO. HARRINGTON,
President.

Automatic Telegraph Company.

OFFICES.

PHILADELPHIA.
310 Chestnut Street,
130 South Front Street.

NEW YORK.
66 Broadway,
19 New Street,
108 Front Street.

WASHINGTON.
1409 Pennsylvania Ave.
St. Marc's Hotel, cor. 7th St. and Pa. Ave.,
House of Representatives, Capitol.

Check,

Dated 187 } Received at
To Edison } 187

Pls send receiving paper to Baltimore
at once

Stillwell

on them

E H Johnson

1874. Telegraph - Automatic Telegraph Company - Great Britain (D-74-006)

Correspondence, some by Edison; notes and sketch by Edison.

Not selected: copy of James Wallace Brown patent application.

London
Jany 10/74

S. C. Reiff Esq
80 Broadway
NY

My dear Sir

Your telegram proposing a carbon battery to Edison is probable that the P.O. will not permit the use of anything but a Daniells we have however decided to try it as it is our only chance of having a bona fide stand.

Col. Gouraud is back. We called on the P.O. to-day but unfortunately to see the proper authorities will call again on Monday and hope to go to work during the week, should we fail to do anything with a Daniells we will be able to keep the matter open until Edison arrives.

Yours
Samuel Parrish

/ Extract from a letter of J. C. Neiff to J. C. Parrish. /

New York May 18th 1879.

My dear Parrish.

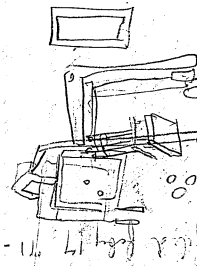
Yours of the 3rd just received.

Of course, if the English government chose, to assert their power, and take our property without consideration; we have no recourse; but that they can accomplish anything with the Bain or any other system, without infringing on Edison, is simply absurd to suppose. We have not been labouring day and night for three years without ascertaining all the difficulties which beset the case. I presumed that the objection to the Grove battery meant something of this sort — a previous letter from me will show that there can be no genuine objection to the Grove and none whatever to the Carbon. Edison's decision, which I cabled, directing you to use 70 cups of bichromate was all right, but if he were there, or we were allowed to follow our own desires, we should probably increase the battery — that is, the size of the cups — to obtain better results.

Paris 200, best tube
tube 5 wires. — Some
only 30 heard plain.
Thirx 6 to 8 miles
hung on walls,

Prussian wire, Sabra
Castles, about 6 wires
in cable. — 6 miles
out. — Poles nearly
as wide apart as
here — wires on cross
arms, — Porcelain screw
on pole a quarter
mile apart
French wires not
as clear as England
Italian wires
Swiss pole in Germany
Spain

France, Spain, Portugal, Italy
Prussia, Poland
Austria, Switzerland, Belgium
Primitive
likely to take auto.



Long Distance Office
Lexington Ave.
Monday 8 16th.

Boston Mass 7 1871

J. A. H. Gouldd
Office Lock 17 "11 -

Letters

English Letters

London
1/17/34

C. Reiff Esq
Kingston
N.Y.

190 words were done the first night to Plymouth and 214 the second as was probably done 300 miles –

Sir James Anderson has offered the Liston Cable for Experiments – We wish Edison to consider the following

The Cable manager will allow, over 10 cells of Daniells –

The present system is a positive and a negative dot the one answering for a dash and the other for a dot – Will a dash in the cable be more difficult to manage than the ~~two~~ dots? Can reversals be combined with the magnetic shunt to advantage?

They are trying sensitive paper

on the Wheatstone instrument and with sounders the full capacity of the instrument by 140 words has been obtained and they do not know how much more it will do—

Edison ought to be here unless he is necessary to your American organization or unless his cable experiments are nearing completion— I advise you to find out from him if there is any chance of his doing anything with cables better than is now done with only 10 Daniell cells—

We have spent so much time over the ~~gounder~~ Automatic that I think the questions I ask ought to be answered by experiment here on the Edison cable if there is no other way to find them out.

Yours

James C. Fernald

[FROM JACK WRIGHT]

118 Leadenhall St. March 9th 74

Friend Edison

There was not much used in my writing you anything about our first expt between here & Plymouth with the Daniels on the old system. You know what we did with it between here & Pool & results to Plymouth were the same and of course unsatisfactory. The simple fact that we were allowed only to use the Daniel was enough and Col Gr or Mr Parish sent word to that effect at once.

We tried our last expt between here & Plymouth on Friday night with the two batteries as you suggested & have accomplished all that can be desired - got 400 from Plymouth one cell with 95 cells there in reach & 500 on iodide. Can send him 100 more than he can receive. This is quite up to the mark & stock has gone up accordingly. Our next expt takes place between here & Dublin as soon as we can get there and we expect to do regular business for the first time. So far we have only experimented at night - they wouldn't hear of our doing their business when I was first suggested. They are softening a bit now & perhaps the old adage may come true, "Waiting race is of winning race". The Lord knows we have waited. Yours Thos Anderson, one

of Sir Morsent Bockers, as I suppose you know, has just offered us the use of 3 of his lines (the Indo European) one from here to Marseilles, one from here to Falmouth & another, the route of which I forget. On these we may do regular business provided our trials between here & Dublin are successful. The one principally spoken of is from here to Marseilles, 800 miles - 60 miles from here to the coast; 20 miles cable, rest in France. They ask if we can work this circuit direct? It may not be necessary or possible to work beyond Paris, but in case it should, can we do it? Send me the best suggestions you can in regard to it. I'm sorry that we have not more convenient appliances to work with. The table getting very shabby & in case we do regular business, want another paper cutter and some more corks. Also would suggest that you get at positively the best iron wire to use. Can't find anything here that beats your needles. Even the same piece of wire varies in quality in the length of a few inches. They say here that even under our system adopted they would never use the crank and if we begin regular business, I'm afraid it will be hard to find a sharp boy to keep instruments. If operator had both his hands free, could do better & more satisfactory work, especially where speed is reduced by cable &c. It is also hard to turn regularly for a long time at slow speed? Think

If all these things & a good many others I cannot now remember, do not take place, I am sorry to say that we shall be obliged to stop work. Still as we have not as I can tell brought matters to a crisis, I hope you will not be discouraged. You know the amount of discussions necessary here before any one can do anything. Don't fail to write. Remember that we are 3000 miles from home & that we have no friends to help us. Have my respects to Mr. Field & tell him that we must see Stuart in a week or so. Don't let them forget the Gutta Percha. Yours in haste

Cyrus W. Field

P.S. Will you please send me the Gutta Percha tax & I will see that it is paid here. Don't forget to write for Mr. Rhodes. Once if you can to Castle Garden. Don't forget to write.

Yours, Field

London
March 21/74

Parnell to Reiff

J. C. Reiff Esq.
80 Broadway
NY

Dear Sir. I enclose an extract from a letter from Sir James Anderson received in Paris when I have gone to lay the Automatic before the French Government. Edison ought to be here with sufficient instruments to equip several lines. There is a design on the part of Mr Cully to have a self acting machine that will obviate the necessity of turning the handle — Mr Brown tells me that you have machinery for that character in America if so please let Edison bring it with him — If you act promptly I think we can sell the balance of the European interest — but unless Edison can come over our friends here will not act with vigor & if we should lose this spring & summer I think it doubtful if another opportunity will be offered for a realization of money out of Automatic in Europe — I hope to receive receipt when Edison will sail —

Yours Truly
James C. Parnell

[ENCLOSURE]

Extracts from a letter of Sir James Anderson to J. C. Parrish dated London, March 17/74

"My dear Mr Parrish

We are on the top of a wave whether to be driven back into the eddy or forwards with clear open water depends now upon a very decided push being made -

I am afraid we shall soon fail here and not succeed anywhere unless we are promptly ready with a very completed set of instruments - complete in all details and fair to look upon - You have established the fact that the thing will work and we are now in the Post office and might hope to keep in if you could take root with all complete - I am ready to employ it upon our land lines and try it upon our cables and if successful some money would surely be forthcoming but Edison & instruments should now be seen if any screwing is to be made -

I think we have now pursued enough our policy now should be straight hitting "decided action and all our resources brought to a practical focus" We shall not easily succeed - the present enthusiasm or madness to adopt the system -

Signed James Anderson

London
3/3/74

J. C. Reiff Esq
50 Broadway
NY

My dear Reiff

Sir James Anderson informing me that Sellonments brought to a point to day, shows increased the capacity of the ~~[illegible]~~ cable 30% and he thinks he was clear of an intended delay, on this it was advisable that we did not delay —

I am in entire consonance of the energy and purpose of your character & shall refrain from cavilling at the [illegible] matter. Not a moment should be lost in despatching Edison and some sets of machines. Edison first and the machines to follow by next mail. Might learn between Mr Walker and the disposition of the British Post Office in any formal communication — His relation with Bennett not before ten days and I have a chance made arrangements to see Bennett in the interest of Automatic — the iron is heating rapidly send Edison, alone to help us strike at the right moment —

Yours
Samuel Ransom

(Telg. Cuts. in Explanat.)

(March 1879)
(letter from Edison)

Col Gouraud.

Culley. note = It is as certain as the tides that every man who sees the way we send and receive now should suggest some automatic device to replace it, and it is also just as certain that of the same individual would or could examine all the Countless Clockworks, motors, electric, steam, water etc that have been tried & abandoned, and would think on the same for a little while he will come to the conclusion that the hand turning is the best. If Mr Culley will sit down and turn that crank at a rate given rate he will find that he can always turn it at a given rate, then again it dont make any difference at what rate it is turned, whether regular or irregular, I will give some of the reasons why we ~~abandoned~~ Clockworks etc for the turning. 1st. Clockworks starting off too quick spoil the paper. 2nd. owing to pressure on rollers necessary to ensure good Contacts and Cut-through paper fibre necessitated powerful springs in Clockworks - 3rd sending and receiving at requisite different speeds owing to length of perforated characters, and the abnormal characters on the Chemical paper hence a speed changer, smaller wheel or two machines x 4th the limit of speed is not always the same to all stations, also bad days the operator lowers their speed, ~~whereas bad days~~ (10) when N York sends to Washington of a very bad day when scarcely any current reaches him he turns a given speed, but the next moment he sends a message to Phila at a fearful rate then allows the wire to be worked up to the limit of its capacity - 5th Clockworks with their devices were constantly getting out of order, while with the wheel and crank out of order is a thing unknown. The advantages of Clockworks is that they look pretty & intensely scientific. Mr Culley appears to have a very poor opinion of his clerks if he thinks turning a crank anywhere with 50 to 400 revolutions per minute, skill We have two of his operators here turning these Cranks, we also find that the operators like the Crank and get disgusted with the Clockwork as they cannot vary the speeds to suit the Condition of the line with the same facility, and requires too much attention. In conclusion I will say that if it is decided to use a Clockwork, that I can furnish that article, but I warn you that running dry paper at 150 words per minute is different from wet paper at 300 per minute. As far as I can see the whole tendency over there is to remove all ~~changes~~ chance which gives rise to Ambition among the Clerks on their personal skill, the very thing which makes our American Operators ~~the best~~ so expert ~~the world~~. (~~I cannot say world wide, because I do not know how the Chinese Japanese~~ etc)

Wright note, = He does well - how long is the wire, Resistance, much buried wire - how is battery arranged, what kind of sign plates, etc, how your paper welds, The beauty of your welding depends greatly on the kind of wire you use & the angle & pressure - are those perforators any good, they were invented & made in a hurry - what is their disease - give diagnosis of the diseases, did you go to Elliot Bros & get those prices, why dont you answer my letters, any little information in an electrical point of view

whenever may scoop up in Leigh street Christ Church resumed
— What do you think of Clockworks, think there is enough points in
a Wheatstone transmitter to start a watch factory!
Ask Lumsden if he got books I sent him. The self induction &
harmonics found of that Greenwich Cable was more than I ever
dreamed of — I was very stupid — Center all right —
Keep the Chemical paper formula to yourself — if it amts to Cents,
— anything wanted — have Brown tell him write, I want
to know from him if an atom of Hydrogen can throw a shadow.

Note of Mr Clarke. — Mr Clark partly mistakes my question
What I mean is this, The Copper, Gutta, and sheath, or distant Earth
plate themselves ~~[illegible]~~ do not act as a battery or give E M F' but
that the action of the existing battery upon these elements, makes
them set up an opposing Electromotive force — which is proportional
to the E M F of the battery, and the time it is connected to Cable.
When the battery is disconnected we obtain the static charge and this
secondary battery action. (ie chemical action) which continues for some
time after the static charge. ~~[illegible]~~ — wherein there is leakage there
must be secondary battery action, supposing that the Conduction of
the Cable, representing one plate of the secondary battery, is
Connected to the Copper pole of the last battery, the ~~[illegible]~~
due to the Electrolysis of the leakages is ~~[illegible]~~ Confined within
the Gutta, ~~which [illegible]~~ while the hydrogen is on the sheath of
distant Earth plate, ~~[illegible]~~ now if the battery is disconnected
we have all that is necessary for a very powerful secondary
battery charge with a high E M F. This electromotive force
will exhaust itself in proportion to the internal R of the battery
(ie) gutta — and the current in which it can circulate, hence
with a very high ~~R~~ insulation R. + Conductor R. it will take
longer for the secondary battery to discharge than on a current
of lower resistance, if now we connect the Zinc and of the
battery to the Conductor we obtain Oxygen on the sheath and
hydrogen inside, in this case we obtain a stronger E M F.
than with the Copper to Core, it not a matter of indifference
~~[illegible]~~ on which metal portion of the Cable the oxygen shall be
generated, the ~~[illegible]~~ E M F of the secondary current (chemical)
will be the greatest with zinc to Cable, therefore ~~[illegible]~~ given
Cable tested with a Zinc current should ~~show~~ give
a higher insulation R than with a Copper Current.
again, the insulation is not increased by what is
Called absorption. it is the gradual increase in
~~the strength~~ of the E M F of the secondary battery
which which being opposed to the ~~[illegible]~~ battery,
tends to create the belief that the ~~[illegible]~~ insulation R has
increased whereas it just the same. the Error being

1 18 Bedford Sq (1)

April 12/74

Friend Edison

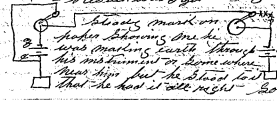
This Morning I received your letter that you wrote Col Gouraud & I was surprised to me if you made the request that I should write & call to this office as I wrote you once before. Gouraud received me & answered he had the dept. that Mr Pelles was not very interested to good to it. that he has of late for the writing I good again I supposed you wish to know the results of my visit to Paris and the difficulties I have had to contend with. The line is 180 miles long & and has about 18 miles of underground work in it most of it could might have all at London and I the Sirs Mr & Mrs also found it was 100 Daniels cells which consequently Mr Pelles found reason of this is that it was claimed that every jar which Messrs Fairfield & Edison was interested due to powerful batteries, power & I also helped the Sirs gave it no harm. As that Daniels batteries that are used which under ordinary circumstances will not hold a strong charge for just Well we went to work I of course on the old plan Sunday at the Sending end With 100 cells Daniels and about of 1000 Ohms Mr Wright requested that I should of Sunday from 250 words per minute on I was spoken Mr Gouraud came at this for a long time Mr Wright receiving all the time with only an interval of 15 to 20 minutes which he sent to me so that from I surprised at receiving 400 words good on I was spoken here Mr Wright was from of 800 Ohms when I done this the wire was taken from me and I did not claim to have any of Mr Pelles work when I could get home letter and went to that office but it was no good I never had anything chance until the very last - [illegible] which I will

till 4pm. of for the mail it went on of this quite
smiles you letter was received giving plans of
working with two batteries I should at have I was
big letter I appointed I hurt to discharge once
But to for this they Dublin took to work the
Whatstone Sounder over the Dames wire and
to get 24 words per minute They just got the
Bows mitter along side of mine at Falmouth
but it going at rate of 120 words per minute
I spoke of permanent currents in Dublin current
Mr Deering in London on Mr Wright's
old current Then Bain broke after I went
to Cork they kept off big battery then
Wed cap the line of transmitter I may work
with compensating currents (Calling) the
result was they had to stop transmitter
and when they received it appeared little
a bare earth with compensating currents
Sounding about So that was given up
as a bad failure which it certainly was
After your letter arrived copy was sent
to Mr. And I immediately arranged my
batteries for it First Night of permanent
wires a steadied succeed are doing 400 to
600 words per minute with ease So after
this posted off the sent me word that
we should try once more than for Dublin
So at time we went to work Mr Wright
still receiving from 400 to 600 words a minute
then he sent to me ~~[illegible]~~ I received
for a few minutes at rate of 600 per min
when all of once the current ceased to
come to me it at least he went that
I could not get a word even at hand
sent Mr Wright and Mr Mitchell it
was not improve but got worse I told
them he was wrong Home where but he
said no and that he had galvometer
in line and could see his current go
out to line all right I told him at
Made Mr Wright ~~[illegible]~~ he was not sending

Mr his current But says he was so he sent to
Dublin stop to think that current of 6 to 10 cells
would give him full deflection and still not
enough current reach me to work signal There
was Mr Wright and I Sounder for 8 and
Bain for 10 cells back to London I did so
when the glass tube was put to me when
I say you not receive at Falmouth I said
that Mr Wright had been trying sending
the wires he had battery sounder
Connection in it or else the connection
was making earth when he transmitted to
Mr Wright was he was I could see by their
actions that they thought it was my
fault So when we for the Dublin
current Mr Wright had sent to Dublin
I returned here first Night of permanent
English wire 266 Miles to cable No 4 16 miles
of underground wire in London Cable 66
Miles Cable to Dublin 10 Miles Dont know
how many cells of wires at Dublin underground from
cable to Dublin I commence to send to
Mr Wright with 100 cells of battery
arranged like this

He used Double
paper and received
120 to 130 words
per minute then then
sent to me I could not
get a mark at all So that passed off and
waited the next morning with same results
to him sent little letter to me as I did yet
same answer that very little I thought
should off when on the third time I had
receiving part of my instrument connected
up in the other words the full connections
of instrument made More when I come
to signal to him he could not get I say then
as I did refused to see what the matter I was
I figured it this receiving arm when raised
and resting on insulation on spring
underneath was making Earth by action
of gravity and dist So when I transmitted
I was making Earth through my receiving
Short on magnets So of course Dublin
could hardly get any thing Of course
when receiving arm was thrown clear back

This fellow was acquainted with Mr Wright made the acquaintance and got me into all grace when he was sending to me while at his mouth (being the same instrument he used on that occasion) He was sending me of current to Earth at transmitting and I felt all right now time I had found the trouble Well I reasons the current right in knowing clear back at Dublin and me all right at 1st 10 130 leagues on Dublin Lighted He the first to me again as usual I found it not yet and then from him I told him he was wrong some where and gave him a hint he had on my instrument So he range his receiving instrument again this helped me some I felt better current but no intelligible I could do I told him Well we tried one or two more evenings with precisely the same results this current warning I gave pity with me I told him trouble was in him but he thought that I had passed on until last night when we come to word again I received the same as usual from me When he sent to me there was nothing to it So I come to the conclusion that the fault was certain with him in his instrument or Man from where (knowing it was not in wire for we had wire at two different ends) So I had him put in this arrangement and I had it this Dublin Pleasantville was I got warning



So I write

2

him asking how is now? But this morning I received a letter from him saying that while I was making connections for you last night I received a shock from an unaffected source and I wondered there was something wrong of my instrument and found the insulator gone So you see that it is no reason I could not get intelligible words from him with this kind of class of things why he has to use Dublin Station So I hope now I will be informed from Dublin for not receiving I know the thoughts I did not know I must go to Dublin And it was my place to go to Dublin So as Mr O'Brien and Mr Brown are both in Paris at present I have written them the difficulties I tell you all for you have not given me credit for what I have done And it has not been all smooth water for the writer Mr Wright as though he was the despised in knowledge of the business when you know he is not And besides taken advantage of it I do know that he has done all good advices and wrong one has helped him greatly have had to stand for him Mr Morrell Mr O'Brien I believe is willing the time from America would not allow me before that signed my name I will show Mr Morrell Mr O'Brien the letter Mr Wright 5/10 W. U. Company to Mr Wright its worth so much more than Mr I ~~[illegible]~~ [illegible] but

They seem to forget that it costs more
as much to live & dress as it does here
It is not like being there with your
friends & having nothing as we have not been
before, and things not starting being bought
first. But in the Colonial Encyclopedia said
that £6,0,0 was what he imagines would
suffice for my Sister & not exceed, not that
any more I said Mamma mind intended
I would be made right there. So nothing
more, hoping but of £6,0,0 includes
steerage.

(We work again Monday
Tuesday Wednesday Friday & Saturday
will get off better. Don't you agree that
the shortest of some of your fable
experiments and others Lord Bacon
it would be very acceptable. I found
I have done very well since being
in England I have studied and passed
so I have not gone back any. Now
what I have taken I get rid of
I give you some extracts of a Speech
made by Lamsden upon occasion
of permanent between London & Liverpool
May be you have seen them but I
thought not. It is supposed I know
Nothing of them. See dont get me into
trouble.

A comparison with Colonial System of
single carpets. Heavy bills, powder and
other mosquito compensation it appears
to me as far as can be seen is from a
single trunk that can be stolen of double
of our requirements. The average supplied from
Dublin on the Wheatstone is about 60 words
per minute

Found no difficulty in receiving 90 or 100 words
perfect using 80 & 100 cells (On chemical Paper)
With intermittent currents following by inversion
we get 90 or 100 words at about 80 words per
minute. The results being perfect. But to the
two conditions of the discharge from the cells
which was sufficient for the longer line & the
increased. But the best results and
the highest speed was obtained by using
currents through a Rheostat & Condenser
Compensation. The Rheostat & Condenser on the
Dublin Liverpool Line. Common currents
reduce the speed. Currents of very short duration
of a quarter of an hour the receivers cut it
out perfectly. The speed might be
obtained by inversion. The direction of the
operating Instruments. Bonus & other Miscellaneous
had a fair trial and the results be found
are very satisfactory being an increase of
80 % on a circuit having 66 Miles of Cable
in it. I enclose some back to first of
the Solutions. The results not being
harmonious I think in a Secondary & consecutive
Action. What we want is a chemical Solution but
equally sensitive. In three weeks I hope that
it Bonus available. That we shall have to return
to the Bonus & Lamsden again.

Yours Lamsden

Mr Saunimore

This is a fair of things and
will you identify them from your interest. I am
sorry will talked about the value of Bulling
Lightning is not to be feared to see as many have
claimed for we have Lightning of our own
which will pass pretty well it.

Signed R. S. Culling

18 Dec 1873

Mr. Cullen (2)

I do not believe it is a doubt, before determined between the good Sir Humphry Davy & the author of the words "for appropriate purposes" the author of the words at which the trans-atlantic circuit was 57 miles the limit. To aberdeen the results were not so good seems to come to 37 miles ago. On the usual Wheatstone Blue Page (No. 8) which was working badly we could read well at 50 words per minute although the contact was by official test to give his perfect results. From some other Wheatstone Pages, showing that the reversals on the double current system cuts of the contact nearly also, there at least up to a fair time speed; I think to Aberdeen. Now Edinburgh we did not reach a higher than 60 words per minute. And from some cause unknown and Leadgate. So apparently where as Wheatstone would fail we should have a large margin to work upon with a sensitive instrument; the results attained are I think far more satisfactory as showing what can be done on the chemical system with our ordinary double current and the reversals battery powers. The next thing is to set about getting a short solution giving as possible a permanent mark. I find that a solution of fused Cyanide of potassium and Iodine is more sensitive, and from experiments is ten times more sensitive than the old brine solution; but it is not satisfactory. Whenever there is no doubt but that we can get an equally sensitive solution that will not crystallize. My equally sensitive solution

Dec 22 1873 Respectfully Yours

(9)

Mr. Bendemann

as very satisfactory for the purpose intended with Solution. I am certain you will not have with Solution, which was a Battery which gives a very powerful current, which cannot be applied to the instruments. I would send you details, however to examine & prepare a paper on the use of the Wheatstone system on certain circuits.

Yours Respectfully R. J. Cullen

22 Dec. 1873

Please don't let out that I have been trying experiments. I expect Ch. Br. is a bitter opponent in my part. I cannot forgive Sir James Anderson I feel the injustice of examining the field results for I have made of results. Really if Mr. Dive & Mr. Thomson Dead if not I will give you some information I delay writing this until we have either Frank Monroe come to give me time to find out about those conclusions I will let all the information that I possibly can for you regard; I think by what I have said that you can do it all right for me. Remember and affection to Mrs. Cullen & if you should come this way don't forget me. Mr. all the information you can about the Dr. Mr. Cum & his partner and for the good of the Cause, whatever I am engaged in I feel I don't think as a Rival. Remember me as dear of mine & friend. I wish to make rapid progress and

(10) word from home would go a long way
to keep them alone. And we remember
that you sent back to their dwelling and
helped them to find Doctors. And we
frequently talked to them about our
kind being much to blame for the
above. We forgot that the motion of the
shoulders is reduced and that long
hoop petticoats made them with more space
between legs (the fact is long enough)
as one is very apt unless paying strict
attention to shoulders have legs at once
apart. It is the only solution that they
find with them with the exception of
when walking quite a space even
when placed from feather mattresses
for them to sleep. We do think it all
right. I think it would be advisable
to pay attention to those things
which cannot for us are very comforting
to their minds we have to bear these
on the mission point and also as well
on the mission ground. We only mention
this not just the thing they always
compare the things to a sewing
machine of course. This does not
matter but I think it would be
just as easy to put them up in
a neat and proper fashion as it is
to have them as they are. We present
everything that inconvenience will not
be always forthcoming. And perhaps
we will not be continuously
asking it if with enough hopes to
us to get good results. Why not
have them fitted with Salmon and
Gluckstein on if it must be of
course first it is the thing we are
bothered with those we have never said
distress it lovely but to have that
written the appurtenants to be as
charming the design and time minutes
and the reading paper will charm
under mouth. I will be so much pleased
to have it. My self with thoughts
but those that are in the Ohio thinks that
they would be wanted to find the
thing I am recommended I cannot
with the things do for get the best
results from that point of view which
does it not so just as well here
for as yet we find also as well here
it as we do with other wives even the
Methodist paper send us a letter. Hence
would be for a year to send us Cards
Rhodes. I go for so we could put up
an entirely arrangement here to as
to be defrauded things when we had
leisure I think it would help us
greatly when we had work to go at
It would not be so much hole working
to the dark for Heaven knows here
it is when we look back of a time
that we have every thing out of sight
and that we are to do work with
written. The distances may be
and the conditions to be rapidly work
over the lines of England I is the
work that I see Hence of interest
Cable. How are getting along with that
Roman character outer And are you working

it was the time & place in I believe
it Cycles there were at least to work
it practicals does it not If so how is
it accomplished. What is the result for
life. Mr. Dam Solution we see now I have
life. Mr. have it of Mr. objections against
not to Profit Quiet. Being to point
out Something equally Positive of the
an affirmations. All the time And
Do I to be exact Wheatstone with
reviews being 6. Chemical papers that
Mr. Faraday for Them the use of
Inversal of currents is limited to
Four Inches as compared with ours
Mr. Daniel Mr. Grove that can alone
Please if plain how you discovered this
and how is the Shadow produced how
as you said Lee it Induction
you have Lower part of Block filled
up into a Lubricator and Plumbago
well I Stop I shall have the
Pleasure of coming in it time
Mr. Butcher in & others have Tarlin
Work I will Leave a Fresh Mr.
Butcher Mr. Dam Remember
and tell him I have become quite
a Jockey I know London Being well
Acquainted more London Being well
Then I can find my way about in
Weights Mr. Cuts & Measures that being
before I is the worst I ever Experience

Wonder Tommy
after Pension. We have been another Dublin
Sample I shall with you then we shall meet
at least with two I can get on Mr. Wright
that is readily Conduct is both Thousands
once this was so much so that it Not end
it is very hard to read more I can
for Wheatstone but as readily as Mr. Robin
as I can get Dublin and the world of
it is on the same adjustment that is when
I adjust for Dublin Ro as I can & must bring
in here two Mr. I get Wheatstone on this
rule too. So you can judge what it is
a most automatic. The wire I use 130
cells in Morse as well as automatic
I don't Venge if Mr. Wright Can let me
have more batteries for I have asked
to Use 150 cells Ro as it may be
possible for me to send over the bottle
I Leave that to the Lords of Mat
that Government Force Some Wheatstone
with an application to cover cuts the dishes
all up onto slates I don't know
When I Stop to cut more the cuts it
may very nature Become to continue very
fast then again bringing it by the last speed
of March I have found and all this
I become to Lose off but I get it
found minutes for Wheatstone Space of
an inch & 25 when it gets down
again I find it Mr. Wright
Lowering to me on 110 cells This is the Quickest
time that I ever have I cut the any thing
with Positive Perfection Circuits & cuts
Shows itself when on battery invent made

(14) In fact when working with the
paper we could read signals evidently
from some Wheatstone circuit. I can do
this on my relay; of course they are
backwards. Cant you suggest something
so we can get over this! They seem
to have a horror of more battery being
applied. Mr Wright of course gets
or feels the cable more than I do
but he dont get that contact, he
receives about 135 to 140 words per
minute on Iodide paper Battery 130
cells. While Iron any paper cant get
key speed. We only have 2 hours
at a time to work so it dont give
us a chance to make many changes
in one day and to study the effects
The fact of the matter is this we
should have instruments and
appliances here so as to work privately
(Experiment) Then we should know
what to do; Where now it takes
several days to find out after we
have the wire (Why dont you have
a shop here if you intend to do
much work over here It would pay)
Smith Fleming & Co are very
anxious to see you here I wish you
would come. Your presence is
needed very much And I think it
is money thrown away for you
to delay much longer As the thing
is in such a shape now that it only
wants some one here that people have

confidence in; then automatic is a (15)
success in England and Europe
Undoubtedly If we should succeed in
doing 200 words per minute both ways
over this Dublin Wire Automatic is
[illegible] all over this part of the
World So if you have any thing that
will do it by not putting on more
battery you had better send it imme-
-diately They may let us have 150
cells but I doubt it very much
as they hesitated to give me 130
By the way would not a relay
in circuit cut up the dashes Something
like Sample (One of our relays) You
know this is too funny that I cant
get key speed People here seem to be rather
discouraged ~~[illegible]~~ because we cant do any better
over this wire But I have tried every
thing that I can think of as yet different
kinds of Iron for pens at different angles
And all that but results remain the same
with the exception that different angles of
pen gives lighter or heavier marks but
not any more intelligible The line is all
right with the exception of this contact
as they work Wheatstone beautifully and
it [illegible] if any faults they exist with us
(our instrument connections) One very
[illegible] thing here for experimenting we
have to depend upon others to make our
battery connections through that they
which is out of sight While at
Plymouth I had battery under my own

with and filled them as I have
to date them with Sulphuric acid well
when ever we had an opportunity to make
I found it made an awful difference
Especially in the resistance I tested some
of the cells before putting acid in I found
to vary from 8 to 6½ Ohms resistance Do
you well understand what I do I tells
you have to contend with The cells that
we are using now I dont doubt but
what there will average 3½ to 4 Ohms
to a cell And we cant help considering
there were to a Sulphuric of Magnesia
Battery to I had almost the intensity
of Carbon battery And much less resistance
besides being Very Much as constant
as Daniels Battery Any way I wish
we had some thing better than this
then for the resistance of this Dublin
Circuit is over 1000 Ohms of that is
the case their points can be any
thing to bring it as it is a little
over 66 Miles which should
not be over 9 Ohms to Mile Table 62
Knots 110 Ohms to Knot And Mr Bruce
from Cable to Dublin 10 Miles the
whole circuit should not be over
3,300 Ohms resistance And it tells
1000 above this according to what
their engineers have Offered and Must
be made for this of course this all
and testing at times, such I have been

Wednesday I have found out that
cost of your condensers estimate by Bellin
Bros 3 3 0, 0, 0 for 10 of 100 Microfarads
and 10 of 50 Microfarads each the two that
they can get them up in 6 months the other
order is given so they can not even have them
in 3 instalments of a time for insulation to be of
importance I think they that therefore is an important
thing to insulate with but in the ordinary
insulation it cracks after a while on account
of Crystalization and spoils the insulation
but after great in a peculiar manner
called they keep to them selves which
prevents this Crystalization and preserves
the insulation Now can I judge the cost of
these things before I buy that the charge
3 65, 0, 0 for one of 20 Microfarads and 3 15
for one of 3 Microfarads that as they get
them up there is no doubt but what they
will be first class they say that it is
out of the question to insulate them with
Mica that cost is enough out of possible
of might ever like but is very doubtful
I think you can do better with more help
they have done of the finest rifle work
gun makers that you ever saw I know
one of them tested to date I gave a description
with one cell of Daniels Battery of 16 Ohms
of 20 in. 0, 0, and through 1585 miles
12, 0, 0, I is wonderful I begin to think
you are right through a line of 200 miles
of wires with 50 cells you could get
signals through I have a catalogue
of theirs their workmanship is good to
be heard it is the finest that I ever saw

(8)

Yesterday we had another trial between Dublin & London. Mr Wright received 120 words for Mr on your plan you sent with 132 cells. I received 100 words for Mr under his battery to Mr with only 100 cells arrangement as shown in the sketch

I get contact four feet for Mr Wright so that I can get it on my battery as well as Dublin & I novel I want more batteries and must have it to get over this Mr Wright says he will get Mr all he can. Would it not be better for him to send to me with 180 cells old style about 1000 or 1500 Ohms than to have 120 in series two batteries as shown above. And if he put in two in three magnets in shunt would it not effect in proportion to magnets put in arrangement above. I opinion better all right nothing ever worked better Mr finish to find with it only if we have much work to do we should have to have another Mr Lennan does not remember the words. Mr Morrison & Mr Morgan sends compliments and hopes you will believe in every thing you undertake. Mr Lennan at present at his engagement some cable work. When do you think of coming over? Give compliments to Mr Morrison & Miss Jessie. Tell Murray to do that hope they are both well & flourishing. I hope you will not be disappointed with this if he is some more fault. Yours

Consider this worth answering please address c/o Smith Elmins & Co 18 Sweden hill E1

E.C.

Compliments to all Friends & Co

I remain yours truly

L. W. Brown

(9)

Dublin April. 28th 98.

Friend Tom. Let the following astify and delight yo[u]. — I have been in Dublin for weeks & have had numerous knocks at the cable and will give you in as continuous form as possible the results so far.

To start with — As a rule I receive better the direct. There are however 16 miles of buried wire at that end which seem to have a very bad effect in the way of constant inductive st[...]. In fact with the Pole 20 3 thick Brown cell I receive a bit, not worse at 50 words a minute. This may be owing principally to defective instruments, bad contacts, bad earthing, etc. We have had them seen to & is getting on better. I have received as high as 150 words very fair writing, but these days I cant come anywhere near that. This may surprise you, but wait a little & see if I do. I can explain.

In the first place let me speak of the magnet tests. — They are horrible —

The following is the result of a careful test of the "circular" box which I have here [illegible]

[illegible] forwards. 11th. — Res of each way [illegible] at 24° 27. 0. 27. 88. 90. 112.0. 144.0. 178. 190.0. 218. 0. 220. 224. 224.0.

331.0. 330.0. 420.0. 436 — You will see that (2)
some of cells have no contact all. This doesn't
matter so much at the beginning of series, but at
the beginning it is awfully distressing — There is very
little stick or contaminant from the cambric
but I feel it anything but what it ought to
be!! — The cells for which I sent me last
are with the 3 mags in with plain mag. tests very
well — The mags are fine. — 13. 47. The last
2 being of Pennsylvania chemicals — The plain cells
are very good when they first there at, —
13. 5. 1/10. 34. 53. 160. 200. 400. 590. 1900 3d Total
1907 — All these tests were made with the
2 edge & very sensitive differential galvo and I
think may be relied upon. — The thing receiving
has had his initial minutes & more is now
being tested over & made perfect. The Galvo
was simply miserable, being shaken by the Relay
being only pressed down on the little bit of
wire coming from each mag. — Mag was pretty
all right — for hard lines, but on this
fine book, I don't think anything but an
electro contact is to be relied upon. I'm
getting as bad as those Englishmen you see
at mass. — All this bother amounts to very
little for it can be remedied as soon as discovered
I will write all you about the line & cable itself.
You know the cable has 7 conductors in it &

is just 60 miles long. The 7 conductors don't (3)
seem to do much harm things to speak of
don't feel nearly the contact or induction when
dist between London & Paris. — The great difficulty
is to clear the cable as it were, when working cells
is above 100 words. — In this respect the "dog"
at the transmitting end have a wonderful
effect much greater than I expected, in fact
without them we could do nothing when letters
are arranged as you last advised i.e. of joining
each other. — And instead of using for mags as you
tell us to do, we find that a number, 14 etc. in
series give best results — As we increase mags at
transmitting end as can we decrease mags at
shunt at receiving end. When no mags in at
transmitting end I seems as the discharge from
cable kills the dots & we require mags at that
end to kill discharge as I one, & let dots
come through. Using battery connected up for
quantity with a shunt of 750 to 1000 ohms
I would say nearly same as with battery direct
& opposing: showing that shunt at transmitting
end is a good thing if it was only perfect.
Between London & Plymouth you must plan
worked admirably, but over this blessed cable
it falls in a greater proportion than I should
have imagined. If be perfect earth could
only be inserted between each original at
the transmitting end I think results
would be greatly improved. Mind I say a

perfect earth, no insulation or the slightest interval of time, not even that caused by the thickness of the paper.

On a fine clear day the amount of static is perfectly astonishing & it reduces our speed nearly ½ — Mind they only allow us 130 cells in each battery, or 260 altogether. This is the maximum. I think that beyond certain speed & under certain conditions the current from a Daniell's battery act differently to that from a carbon or grove. This is only an idea. The internal res. of Daniells is so great, it haught that depleting & penetrating properly that the other have. — I noticed a peculiar thing today for the first time. I got a mark on the paper without the current. In other words the pen was decomposed written electricity. This is probably a fault in working the paper? — Your suggestions about the position & pressure of the pen hardly apply to this work the pen the pen we find the less current it requires. but I know we must trust them in every position & put pressure on as much as they will bear. The highest opinion on the Absolution experimental chemical paper from London to Dublin is 70 & from 40 to 50 from Galway. The sending arrangement is this. The send nothing but date. The dead is made of the exactness of these others now currently after impulses naturally making mark at receiving end with the station

staff, which is crowded out at that end so if were by the sudden insertion of such an immense res. at transmitting end — When using ink recorder they get their charges as you know by retarding the normal metal equivalent end of the dead. This other accord on chemical paper looks rather sometimes as the tailing is used to make mark.

In duplex working, to balance the line they use a condenser of from 10 to 25 microfarads according to circumstances. This will give you an idea of electro-static capacity of line — Pedersen & Fox have not been perfected & are not as a rule performed, some of them having capacity of fifty times. —

You must accept all the above in the spirit it is written, I may have made mistakes & foolish errors which you must forgive. Moreover there may be something in it worth knowing. — I think it would be a very good thing if you were here personally. Nothing would stand in your way more in the shape of opportunities for improvement. Our people seem to have things now at the point that nothing remains to be done but get good

scientific results.

(6)

I answer questions in your last as follows — Plymouth Sound is 200 miles long. Tides average 13.5 per mile. Nearly 1000 miles burnt coal. The batteries are of the "A. K." form of Yorkshire fame. I forgot to tell you that I remember them. About 1/3 the price of large old fashioned kind. The proprietors will require some adjusting & perhaps improvement. The punches don't cut clean. The feed is slightly irregular as they (the inglish proprietors) complain of the length of strokes. Don't forget also that they still have to be applied to pneumatics. —

Clockworks will be almost absolutely necessary when the speed drops to 200 words or under. — The personal equation is too great to do good work at that speed with the present arrangements. Paper writer not reliable. Knotts for make of paper. Sell also in an old dodge. — They say!! —

I don't like to say anything against Mr Latimer Clark, but to tell the truth I don't think he knows any more than I do, and that is not much. Your questions to him are pearls before swine. I'm afraid he's a cheek in paying an. Don't be too fresh about telling those fellows

(7)

over here anything new. You may discover. Their cheek & unconfiding ness is only equalled by their stupidness!! —

I reckon I'll rest from stations, as a very good one thought. On a clear day day can do well at least not yet. May after little more experience. —

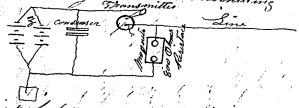
Don't trouble to answer this to me personally? — I want to hear from you very much but can't write. Give my love to the boys. If you see Atterill say I'm still alive & will write soon, enclosing photo of myself & wife!! —

Respects to Mr Reiff & Mr Harrington. Don't forget to remember me to Edwards. — How's things going on at New Company etc? —

Good Night. Yours as ever

Jack

with this arrangement at transmitting end



Object of condenser in short circuit to bring things down and to line when contact made. Relay with magnets 300 Ohms resistance. This adjusts when contact is first made offering more than 300 Ohms resistance on account of the iron core. Then the discharge of magnets into line gets stuck off of Zero, from 1 or 2 or a few magnets and the relay made up with plain resistance it does not work near as well. Dublin receives from me the best with this arrangement

at transmitter Cork of Dublin sends to me on it. I can't do any thing but for the life of me I don't know why. Some times it turns as though the reversals in some other wire fairly kill the current in ours but I can't get a mark at times for the space of 6 or 8 inches on my paper. Another

London Apr 29/74

Friend Edison

Brown.

Parish

Telegraphed for you to day I believe. They all are very anxious for you to come over. Dublin Experiments are by the Morse as Success for one or two minutes I can get good Signals then I can't get any thing readable at all unless I alter the adjustments and ~~then~~ this alteration has to be very great for instance I receive good with 6 Magnets in receiving Relay for 2 minutes when Instantly the Signals become bad very bad and before I can get them good again I will probably have to put in 7 or 8 Magnets more this Signals will be good for 1 minute or 2 then off changes again I put the last more

thing when working Morse Mr Wright gets me much better than I did him and this is the hard at times that I can't hear him at all I have 130 cells on Morse at my end he has nothing I believe I then again at frequent intervals there seems to be all of 250 cells for. Mr Ireland will shut off with a crash, I as like Mitchell, contact apparently I can't find it here I have looked for it and every thing else but the fault is on every thing. Some times not as bad as at others I can will have to send or bring more magnets here for them not enough of them sending to Dublin the least number of magnets in transmitting that will do the work is 7 and from this up to 30 or 40 so you see we have to use the receiving key even in transmitting as well as receiving

Thing else was OK we as now fixed could not do his over this Dublin for me I tell you what it is at the office when you come over here and bring lots of things to work with the better for you and all concerned

I send you a slip showing what the line test is on this wire if was taken with 5 magnets in receiving ~~[illegible]~~ it speaks for itself the contact is the worst that you can hear it on the rails most all the time when key is closed and you on opposite side of room

I don't think any fault I know that Dublin does not experience so much of this as I do here he has to do with the decay of the poles I don't get so much of that of course I hope you will let us hear from you soon

any news I remain Yours Brown

Private to Reiff
Apr 30 - 74

London
4/30/74

My dear Reiff

After three days trial, two hours each day, we are compelled to admit that our work would not be good enough for commercial purposes. So far as I can learn the cause is insufficient machinery & a want of magnets with cores of the right size. The meaning of it all is that we want Edison here with us larger a variety of machinery as

he can bring – Our friends who propose to assist in floating the American Company will be very lukewarm if our European Experiments fail with Edison absent, all wishes they have constantly said why dont Edison come and now after obtaining every facility from the P.O. and not succeeding between London and Dublin they say "Ah we were afraid of that, you ought to have "Edison here" – Understand that for the financial

Owners of your American scheme you must make the European fund, the one in which the men who are to aid us in America have put in £10.000 for a fifth interest –

Brown & Wright are attentive but from if Edison can do no more he should come over if you expect our London friends to keep up their interest – There will be trouble if Edison does not come soon – For nearly a year we have

been keeping our friends
encouraged and using
them and now when
our combined efforts have
opened doors that were
closed to us we are without
the means to take advantage
of the opportunity.

If you effect any
more money from Europe
send Edison and let him
bring clock work and any
combination of machinery
that may be wanted

Yrs. Tr

James B. Parrish

Johnson you cannot send Edison
without making sacrifice but I think
you are sacrificing all by not sending
him —

(April) (1879)

18 Ludgate Hill St, London.

J. C. Reiff Esq

My dear Reiff,

Post Office Total. Have had twice Plymouth 2 nights, enclose sample 200 words, highest speed yet accomplished. Battery is admitted not to be 1st class, further use of Lines barred till at least Tuesday next. Transfer of wholesystem from Lee to new Post Office, beginning today - expected to be finished Tuesday, meanwhile can do nothing.

American C. We have our heads together re Mors bringing out C. &c. We may find it practicable to best bring out this C. in Eng. until this be determined, hope you have not done this in America. I fully believe in intrinsic soundness of yr proposed scheme. If we can get right people to get it up here which should be possible, it will be better. I have not been able to see Watson, but have del.

from London
Geo J C Reiff

him your letter. Parish saw him but didn't find him very warm, owing doubtless to the approaching crisis & his Erie negotiations.

Send us immediately the precise status & date of the Am.n Co. with initialed copies of form of contract agreed to by the Rys., names of Rompa &c &

Barney. We have secret information of undoubted character that he has formed a connection with parties who propose bringing out a company to work his patents; if this be done, whether he infringe or not it will seriously disadvantage us. This fact may necessarily precipitate our action which otherwise might to more properly defer until the action on our part until our present P.O. trial were in shape. If we are forced to this, we will of course ignore the effect upon our value out of England of the peculiar restriction imposed upon us here re batteries we can force the P.O. to give us an official statement of former trial.

We are busy — all of us, Parish being at Scott this best utilizing my influences.

Yours truly

Gowan

I have yours of Jan. 31st — congratulate you upon your success to which shall note good use of it when Orton's letter produced effect.

Phonetic.

Paris, 1st May 1874

Dear Reiff.

I have just received the following from Carrish. Our experiments with Dublin have not been successful & unless Edison can come over & by his intelligence & further machinery make them so I am afraid Automatic will sink into disgrace & oblivion & we have to remove, more for your credit and for mine & for your interest & for mine, this should not happen, and I urge you at once to write Reiff and tell him that Edison should come over. He can make a success of Automatic, if it will do the work.

It tells you everything it is simply unconditionally necessary that Edison come to England immediately. Unless we increase speed now at Dublin on Dublin line, we lose hold upon the Post Office. 100 words per minute will allow us to go upon the line for business. Once established in that capacity, we may negotiate favorably for terms with English Post Office. Without that it is impossible, as they will not concede that they need our speed upon land lines. Secure in the Post Office on the Dublin line we become a fixture & can more readily demonstrate our importance to them on land lines. The facilities they have given us, their patience & courtesy to us, have been simply un-

parallelled. We are in great danger of wearying them with promises & expectations. Edison is undoubtedly unable to solve the difficulty, which seems too much for Wright & Brown, & unless he can do what he is asked, upon only 60 miles of cable, it is hopeless to expect any money or even facilities for A Transatlantic Cable. Therefore send him. It is no longer a question of shall he come, or, is he more important in America — he must either come, or we must give up all hope of further progress on this side as well as cooperation of exceptionally strong parties, who have already lent their names & best assistance, & invested their money in this thing. So much has been written regarding cable, Edison's presence, & the moral effect of his delay, that it is impossible to avoid repeating myself in urging the necessity of his coming, excepting that unless he does come, & that immediately, you may rest assured that not only must our efforts regarding foreign patents cease, but also they can not be given with the same advantage to the American Co. even needs.

— Watson has now been in America more than a fortnight, & surely from all that you have said depending upon his return, we shd. surely very soon find ourselves in a position to deal with American Co. which quite independently of European interests will be much advanced by Edison's presence here. But whether this be delayed or not our ability to deal with Am. Co. will be immeasurably influenced by our position in Eng. & doing well there, we can accomplish all I have ever promised you. I weary of us, they have humbugged us out of nothing & more damage our prospects in England with the Am. Co. I pray you consider nothing as sufficient reason for Edison's delay in America — simply send him abroad, & let his departure

Special Feature

17 Leadenhall St
London 8/2/74

J. C. Ruffs Esq
New York

My dear Ruffs

You were yesterday telegraphed asking when Edison would leave. All that has been said saying his departure is now certain.

Yours
Samuel Permiss

No reply as yet to your cable

[ON BACK OF PRECEDING PAGE]

J C Ruff
May 2. 74

Now my dear Boy
Stand by us –
I stand by my letter
I showed you the other
day –
In addition to the fact
that we will have money
here before you Mtge
comes due, I will say
that I have some
RR stock, which
if necessary I will
pledge to Nat Cities.
So that if you go, your
property shall be protected
the Mtge cancelled.
Our future country
is affected now by failure
of Indian line, in delaying
our money arrangements.
You can do that. Work the

J. C. REIFF, Agent.

OFFICE

Kansas Pacific Railway Company,

No. 80 BROADWAY.

New York, May 4 1874

My dear Old Boy

Enclose you 3 important letters received — Parent, Mgr & Brown. I opened the two latter & read them carefully but of course there is no need entirely for me — Mgr seems to take hold very intelligently & Brown makes this it like a worker —

Indeed my boy Edison better take a sea trip —

When you were here the other day — Wampler was down for first day, this week was so bad was afraid to talk to you — If you go now you will be in time to do the work at once revise in mind & be ready to advance some money on.

on new American C. Suit
also at foreign patents
& out of the first - you shall
have $10,000 - to take up your
mortgages -
Meantime we will have our
stock certificates made & if
necessary will make some
bonds on the present line,
so that in case we don't receive
the English money in time I
will own the money outside
on my own & the C. securities
protect your property -
You know whether you can
rely on me -
My will has never yet gone
quite dry - & the interest of
Edison is the interest of
Reiff - Wright's letter shows
that we have things in good
trim - take time with Baby
with you & you desire -
After reading the letter & pondering
what is wanted let me know what
you decide to take with you - meanwhile
Yr J. C. Reiff

Reiff, John C. Jr.

For those letters are all important
Will you forward them to me

My dear Reiff,

Referring to my last & the proposed practical introdn of Adlp on Falmouth, Marseille & Egyptian lines I now write to urge upon you the necessity of Edison's presence, when he & his apparatus are ready. It is of the utmost importance that he shd be here. Leave exclusive of cable consideration. As to Cables I have exhausted the subject, & it seems folly to repeat myself. I will however say that Edison had better complete his experiments here. You say he is sure of 100 words a minute on Lisbon cable, then I say, pray let him come & do it, there is money enough for our immediate necessities on that basis, & anything reasonable to the end of relieving those necessities shd not be neglected.

Yours truly

Geo. Gouraud

I have your various proofs to the 16th and this morning your telegram "Report progress Plymouth".

The Genl P.O. after offering us a wire to Plymouth declined the use of a Grove battery and pooling our endeavours to change their determination, it has come out that they are experimenting with the Bains instrument and have reached 100 words a minute and hope to find means of doing more; inasmuch as governments have the privilege of using patents, we cannot expect to succeed by attacking them and it now seems probable that the years work will result in the P.O. agreeing to give a sum of money for Edison & Little's patents provided electrical experts prove that the present manner in which Lumsden (a P.O. engineer) gets results of 100 or 120 words with a Bains instrument infringes Edison's or Little's patents. – Edison will of course be interested to know what Lumsden is doing, so far as we can learn he has used several coils at the transmitter and also reverse currents and with one or both of these probably

wire. you ... we think it folly to treat with us, but it is probable the P.M. Genl. will make some moderate propositions. —

I have not answered your questions about wire because in the hope that we would make a great excitement when we entered the P.O. I waited that moment before seeking introductions, which would not have been very explicable during the months of uncertainty — on monday Sir James Anderson will have seen Mr. Scudamore and we will know what we are to do, then I will answer your telegram. —

Do not by return mail the following: —

A copy of the W.U. contract with Railways or a synopsis of the most important contracts, as much information as you can obtain as to how many shares changed hands at the low prices. i.e. does any one hold a large lot of shares bought in the 40's or near 50's. — Cyrus Field is on his way to Europe as you no

with sorrow. ... you are choking. —

It is not improbable that Edison's presence may be necessary — necessary because we may enter the P.O. to compete with them and show them that they infringe the patents or that they need Edison's patents to double of their business — you can judge how much his name and presence would strengthen such a claim as our friends will push forward —

Has he patented his ~~permanent~~ permanent Solution? General should arrive next week — Sir James Anderson has shown me a hearty cooperation.

Yours Truly

signed. James P. Parrish.

Anderson says, a powerful battery, even a shunt at transmitting end would seem to be allowed on his cables. —

Camp

My dear c.

Bay

arrived & remain here a week or 10 days.

We have completed the first arrangements & they are simply magnificent.

Nothing better looking & more much could be desired.

The site is situated with in sight of the best wave in Europe. Since I left home you would there — [illegible] Keep their name to be kept quiet for a season until we are actually ready to bring out the main syndicate there.

Meantime in accordance with your views & wishes & we have he has hatched with a portion of the individual interest & we get more money. This will enable me to lay a portion of necessary indebtedness also to make ya easy by having you

[illegible]

[illegible] I regret
Monday — Kensington — dear Mrs. [illegible]
at home Sick. Mr Lotes & the dear
Monday — Dear me are there ill
Spirit comes to your house —
You can't stand this wet weather
Since Mrs Thal [illegible] left
quite shape
We haven't tasted in London
So the sale of meat further
interest as we desire to see all
question crossing under the Cutted
Mr Lark & wife & their two (3)
Plain Telegraph me early Tuesday
whether you will be here or
whether I shall come on —
Inclosed is English Sovereign quite paid
by the page, Mr Lark made a pretty
tricky document & when Thalgrave
comes put on his specs & a little
Sick Snell will improve the reading of
it for you. I simply tell you it is all
right — Sincerely hope you will be
at home a few days — better than expectations

always keep nothing in sight
[illegible]

1874. Telegraph - Domestic Telegraph Co. (D-74-007)

Agreements.

All selected.

T. A. Edison and

Joseph T. Murray

—and—

Jarvis B. Edson

~~Duplicate~~

Agreement

Dated March 26th 1874

H. L. Batchellor
7 Warren St.
N. Y.

used in arbit. Edison vs. A & P and Dorsett & Tdy. G.
Apr. 1878

Whereas, T. A. Edison of Newark, New Jersey, is the inventor of certain Telegraphic Instruments for what is known as District Telegraphing, and being the instruments and method the said Edison is engaged in perfecting at the date hereof and proposes to take out Letters Patent therefor, and

Whereas, J. B. Edson is desirous of organizing a stock company for the purpose of working such patent right and the said T. A. Edison is desirous of having the said J. B. Edson organize said company for the purpose aforesaid, and

Whereas, J. T. Murray is interested in said inventions, now

This Agreement made this 26th day of March 1874, between Thomas A. Edison and J. T. Murray of Newark, aforesaid, parties of the first part, and Jarvis B. Edson of the City of Brooklyn, party of the second part, In consideration of the premises and One dollar lawful money each to the other in hand paid, the receipt whereof is hereby acknowledged:

Witnesseth, that the said parties of the first part hereby covenant, that they will perfect the said inventions and take and secure Letters Patent of the United States of America therefor, so as to fully protect

the said inventions thereon which shall be made by the parties of the first part in that branch of telegraphing for one year from date hereof, and the said party of the second part, hereby covenants that he will organize a company under the laws of the State of New York under such style and name as he shall determine, with a capital stock of not exceeding One Million dollars, and with a working capital of at least Twenty Thousand Dollars cash, on or before the 1st day of September 1874, for the purpose of working and vending the said Patent rights throughout the whole United States and that upon the organization of the said company the whole of the capital stock thereof shall be issued to the said parties of the first part, in full payment for the said Patent rights and Letters Patent, whereupon at the same time the said parties of the first part shall forthwith assign and transfer the said Patent rights and Letters Patent and all of them to the said company organized as aforesaid, and the said inventions and Patent rights shall be and become the property of the said company, and the said parties of the first part hereby agree that forthwith and on the delivery to them of the whole amount of said capital stock of said company as aforesaid, they, the said parties of the first part, thereupon in consideration of his services

in so organizing said company will transfer to him, the said party of the second part or to such person or persons as he may designate, Sixty six and Two Thirds percent of the whole of the said capital stock aforesaid to be used by the said party of the second part in such manner as he shall determine in and about the working of said company and as a working capital therefor and the introduction of said Patents and for such other uses and purposes as he shall determine, and the said parties of the first part hereby covenant, that they will transfer to the company all improvements made by them in such departments of Telegraphing as aforesaid within one year from the date hereof and for the consideration aforesaid and all agreements heretofore made are modified accordingly.

Witness our hands the day and year first above written.—

Thos. A. Edison

In presence of.

H. G. Batchellor

P. G. Mowrey

Jarvis B. Edson

Whereas, T. A. Edison is the inventor of a certain invention for a Fire Alarm Telegraph now in process of completion, and Whereas it is proposed to incorporate the said invention with that mentioned in the annexed agreement between the parties hereto relating to a District Telegraph or Domestic Telegraph invention and the company to be organized as provided in the annexed agreement.

Now This Agreement made this 26th day of March 1874 between T. A. Edison and Joseph F. Murray of Newark, parties of the first part and J. B. Edson of Brooklyn party of the second part, Witnesseth that in consideration of the premises and of one dollar, the said parties of the first part hereby covenant to and with the said party of the second part, that the said parties of the first part will complete the said invention for said Fire Alarm Telegraph herein before referred to and at once take out and secure Letters Patent of the U. S. of America therefor, and thereupon and in consideration aforesaid duly assign said Letters Patent for the full protection of said invention and Patent Rights to the said company to be organized as provided in said annexed agreement and the same shall thereupon become the property of said company with any improvements made in said invention within one year from date by said parties of the first part.

In presence of
H. G. Batchelle

Thos. A. Edison
J. F. Murray
Jamis B. Edson

It is hereby agreed that the Capital Stock of said Company as expressed in the certificate of Incorporation thereof as well as the number of associates may at any time be increased by consent in writing of the holders of at least two thirds of the Capital Stock of said Company first had and obtained —

Dated Apr. 2nd 1874

Witness

H. G. Batchelly

Thos A. Edison

J. F. Murray

Jarvis B. Edson

This Agreement made this 26th day of March 1874, between, Thomas A. Edison and Joseph F. Murray, of the City of Newark, parties of the first part and J. B. Edson of the City of Brooklyn party of the second part, In consideration of the agreement between the parties hereto bearing date the 26th day of March 1874, relating to the invention of said Thomas A Edison or Edison & Murray of a District (or Domestic) Telegraph instruments, and of One dollar each to the other in hand paid the receipt whereof is hereby acknowledged, Witnesseth, that the stock of the company mentioned in the agreement between the parties hereto, herein before referred to, shall be distributed as follows to wit:

There shall be issued to the treasury of said company as and for a working capital 3333 shares

To T. A. Edison inventor	2500	"
" Joseph F. Murray "	1660	"
" H. G. Batcheller attorney	300	"
" J. B. Edson	1460	"
" J. B. Edson for distribution	867	"
Total shares	10000	

That the above number of shares are based upon the supposition that the capital stock of said company is $1000000.00, but it is provided, that, should the capital stock of said company be fixed at any amount other than $1000000.00 then its number of shares issued to the above named parties respectively shall bear the same ratio to the whole as above expressed.

It is understood that no part of said 867 shares shall be distributed by said Edison without the consent of either said Edison or Murray.

In presence of
H G Batchelly

Thos. A. Edison
F. J. Murray
Jarvis B. Edson

~~It is hereby agreed that the Capital Stock of said Company as expressed in the Certificate of Incorporation thereof~~

I hereby agree in consideration of the three hundred shares of stock agreed to be issued to me as above, to perform legal services of Incorporating said Company and to counsel and advise it for one year from date.
Dated Apr 2d 1874

H G Batchelly

1874. Telegraph - Edison & Murray - General (D-74-008)

Correspondence, accounts (1874-1875), promissory note and receipt, work orders, insurance receipts.

Not selected: correspondence unrelated to Edison.

1874 Mch	25	1 [illegible]	[illegible]
		[illegible]	[illegible]
		3 [illegible]	[illegible]
		[illegible]	[illegible]
		1 [illegible]	[illegible]
July	17	[illegible]	[illegible]
		[illegible]	[illegible]
		[illegible]	[illegible]
		[illegible]	[illegible]
July	21st	1 [illegible]	[illegible]
		[illegible] at [illegible]	[illegible]
	[illegible]	Writing paper	[illegible]
Aug	25	25th Inf. Copper	[illegible]
Jan	5	1 Reader	[illegible]
		1 [illegible]	[illegible]
	16	1 Reader	[illegible]
Mch	8	[illegible] wrap paper	[illegible]
Apl	6	1 Reader	[illegible]
	23	1 [illegible]	[illegible]
		[illegible] paper	[illegible]
	23	1 [illegible]	[illegible]
	27	[illegible]	[illegible]
		[illegible] paper	[illegible]
	29	[illegible] Pocket	[illegible]
	30	1 [illegible] board	[illegible]
		[illegible]	[illegible]
May	4	[illegible]	[illegible]
	8	1 Reader [illegible]	[illegible]
		[illegible] paper	1 [illegible]
	13	[illegible]	[illegible]
		1 [illegible]	[illegible]
	14	[illegible]	[illegible]
	28	[illegible]	[illegible]

[illegible]

		[illegible]		[illegible]
		Cabinet for		[illegible]
	28	1 Roll [illegible]		20
		4 [illegible]		65
	29	25 [illegible]		3
		1 [illegible]		25
		4 Rolls [illegible]		20
July	10	3 Reels		[illegible]
	29	1 [illegible]		20
		12 [illegible]		[illegible] 95
		1 Fitting [illegible]		12
	30	48 Rolls paper [illegible]		9 36
		Repairing [illegible] Man time		50 14
		16 Rolls paper		[illegible]
Aug.	2	Cutting time		[illegible]
		Repair time		[illegible]
	6	1 Frame		[illegible]
	5	48 Rolls [illegible] paper		[illegible]
		2 Mouse Traps		[illegible]
	19	[illegible] Rolls paper	12	19 20
Oct	24	1 [illegible] (Pano) (Fancy)		[illegible]
		1 Roll [illegible] Man time		[illegible]
		12 [illegible]		[illegible]
Nov	20.	96 Rolls paper	12¢	9 12
		96 Rolls paper	12¢	9 96
		Freight [illegible] Russell		[illegible] 00
				12 [illegible] 61
Oct	29	Check [illegible]	[illegible] 00	
		[illegible] Check	[illegible]	
		[illegible]	12	11
		Cash & Cash [illegible]	[illegible]	
		[illegible]	[illegible]	
			682	[illegible]

E. A. ROLLINS, *President.* E. W. PEET, *Vice-Pres. & Actuary.* J. M. BUTLER, *Secretary.*

THE NATIONAL LIFE INSURANCE CO.
—OF THE—
UNITED STATES OF AMERICA.

The Great Strong Stock Company of the World. Chartered by Special Act of Congress.

AGENCY AT

Newark N.J. May 26 1874

Recd from Thos. A. Edison. J. T. Murray check for Fifty Dols ($50) dated May 28 the same to apply as part premium on policy No 24923 on life of Thos A Edison

C. Leyenberger
Genl Agt

No. 103 Fifth Ave.

Green Point July 15 1874

At Sight Pay, to the

Order of Carman Pearell

One hundred & three 00 Dollars

Value received and charge the same to account of

To Edison & Murray. Carman Pearell

No. 10412 Market St.
Newark N.J.

6

Aug 22
4 lb scrap steel
Batchelor

11 old punchheads
+ be repaired

Sept 11 23 1/2 lb sheet steel
8 lb Bar steel
1 Vernier clamp gauge
1/2 lb sheet brass

Sept 8 19 cutters

2 Oct
1 12 square
2 12 scales
1 Vernier calipers
1 Δ square
19 Cutters thru cutters
185 Drill all between 2-60
31 lb Sheet steel
6 Edging tools.

Oct 1st
1 Paper cutting machine & frame
1 Fitchburg lathe & fixt
1 Clock
1 Small grindstone
1 Jack saw
5 small anvils

28 ft 1 3/4 shaft Oct 6
1 18 in Fuller
2 12 " "
1 14 "
19 lb steel
5 rock shafts
14 " 20 lb steel
4 5/16 taps & wrench
1 3/16 Die plate
1 3/16 Bit

16 1 Drill offset, 16 holes
1 Bench lever cutter
1 Arbor for same
1 long drill

2 Perforators
Batch
Oct 14
3 lb sheet steel
4 3/16 taps + W.
3/16 Die Plate
3/16 Bit
Mounted chuck + fixt.
Cover for jigs

Oct 14
1 Force head chuck & file jig for Punch Cover
16. 17 1/2 lb tools.
1 Punch & die
1 small cutting machine & counter etc vice
1 1/2 arbor.
1 1/2 figures

Oct 20th
4 lb sheet steel
1 surface plate
5/16 Bit
3/4 lb Solder
17 lbs tool steel

Messrs
Patrick Burnell & Co

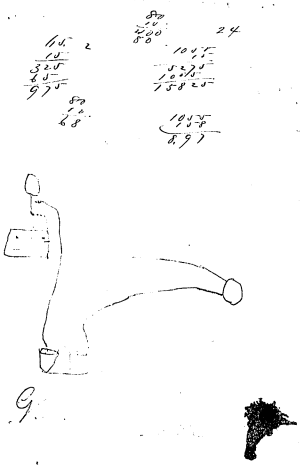
Gents.

As per direction of Messrs Murray & Edison have to request you to charge the amount of your bill of $4,58 to their account

Yours &c
D. B. Edison
Ralph Jr

22 Sept 1911

[ON BACK OF PRECEDING PAGE]



Machinery & Fixtures

July.

			$
27th	Charles Parker	Vises	115.00
28.	Ames Mfg. Company	Engine, Lathe, &c	1449.00
27.	New Hampshire Mfg. Co.	Shafting	550.00
28.	Pratt & Whitney	Screw Machine	807.50
29.	Rockford Machine Shop	Lathes	297.00
30.	S.W. Hartwell	Stens	42.00
30.	W.H. Fraser	Tools	25.00

October

			$
1st	P.A. Fraser & Co	Tools	170.01
3.	Union Stone Company	Emery wheel & Grinder	101.10
5.	Brackett & Wheelwright	Drawing Pulls &c	54.55
6.	R.W. Parsons	Upright Drill &c	75.00
15.	Warwick Iron Works	Spring Punch &c	13.53
17.	Union Stone Co	Emery Wheel &c	117.00
19.	R.G. Parker	12 Inch Lathes	96.00
20.	E.N. Wright	Tape & Gauge	6.55
21.	Davis & Peters	Portable Forge &c	71.05
27.	P.A. Fraser & Co	Vises	57.50
27.	S.W. Hartwell	Lathes &c	234.00
27.	~~P.A. Fraser & Co~~	~~Jennies~~	~~87.00~~
27.	John Geiger	Files & rasps	26.08
28.	Worcester Tool Company	Steel for Tools	52.57
31.	Thomas & Bottomley	Lumber &c	45.50
31.	P.A. Fraser & Co	Tools &c	68.91
31.	Union Tool Co	Vises, centers &c	250.00

November

1.	John Jeffrey	Standing Desks	25.00
3.	P.A. Fraser & Co	Paint	17.25
3.	State Gates	Power Press	450.00
4.	P. Hovsinger	Set of Files	230.00
12.	P.A. Fraser	Vise, Stove &c	77.11
12.	S.A. Tilestone & Co	Rosebud Boiler	46.00
26.	L.D. Pond	Grinder Frame &c	46.10

Machinery & Fixtures

December

			$
1.	P.A. Fraser & Co	Schedule &c	55.40
1.	B.F. Humphrey & Co	Engine Lathe	649.00
1.	W.T. Schaer & Co.	Lathe &c	76.00
3.	L. Bradley	Lathe chuck	140.00
19.	P.A. Fraser & Co	Steel Range	2.50
29.	P.A. Fraser & Co.	X	17.70

Stock

			$
Nov 3	P.A. Forgue,	Wire &c	42.61
14	Eagleton, Mamper, & Co	" &c	20.64
18.	L.E. Tillotson & Co	Utensils for Cutting	21.62
30.	Williams & Plume,	Stationary	87.60

December

			$
28.	L. Bradley,	100 spools	90.00
19.	P.A. Forgue	Still wire	2.89
24.	L. Bradley,	100 spools	80.00

January

			$
12.	L. Bradley,	magnet spools	110.00

Wire.

		$
210 lb	coil	115.00
3.	"	1.70
2.	"	3.05
1.	Bunch	4.50
10.	"	57.50
4.	Lead	5.00
3	"	17.25
3	"	17.25

Anvils

		$
1	"	19.00
1	"	17.10

(1874?) Files.

	$
7 5/12 doz	25.08
4 1/12 "	11.12
Lot of Files	250.00
2 1/2 Doz "	13.42

Edison & Murray 1874.

OFFICE OF THE

American Insurance Company.

746 BROAD STREET.

AMERICAN INSURANCE CO.

No. 154692 Newark, N.J. Nov. 7th 1874

Received of Edison & Murray

Premium on Twenty seven 50/100 Dollars being the Insurance under Policy No. 164.860 which, the risk being unchanged, is hereby continued in force for One year to wit: from the 12th day of Nov. 1874 until the 12th day of Nov. 1875 at noon.

Premium $27.50 No. 10 & 12 Ward St.

Fred N. Harris Secretary. S. L. Gould President.

ATTACH THIS TO YOUR POLICY.

Sum Insured $2500	Premises 10 & 12 Ward St Newark On Furniture
Time 1 yr	Peoples Insurance Company of Newark N.J. Office 764 Broad Street, Newark N.J. No. 16467 Nov 12th 1874
Rate .1.1	Received of Edison & Murray
Premium $27.50	Twenty-Seven 50/100 Dollars being the Premium on Twenty Five Hundred Dollars insured under Policy No. 16467 which is hereby continued in force from Nov 12th 1874 until Nov 12th 1875 at Noon.
	$2500 — J. Lindsley Secretary.

Newark N.J. Dec 29th 1874

Thirty days after date I promise to pay to the order of Edison & Murray Eleven Hundred ~~and~~ sixty dollars at No's Ten & Twelve Ward St Newark N.J.

$1150.00 Jan 20 1875 [illegible]

Received $1200. in full for all demand to date from J. A. Edison
James O. Browne

EDISON & MURRAY,

MANUFACTURERS OF

Telegraph Instruments,

Nos. 10 & 12 WARD STREET,

T. A. Edison,
J. T. Murray.

Newark, N.J., 1873

Mr Edison

Dear Sir Mackay Barrett with the Superintendent of the Pol Cemetery to examine into your offer $200 for line of our wires. Mr Barrett will call on you when in Force he thinks that the terms offer he will be accepted

Yours S. Mackay

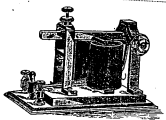
Edison

Had you notified
me of that Friday
a satisfactory I could
have [illegible] in it
as [illegible] has enough
on hand to meet it
If it is presented
today I cannot
meet it

Geo Sullivan
Pres

Copy

New York, May 5 1874



No. 1 Pony Sounder.

Bought of **L. G. Tillotson & Co.,**

Railway and Telegraph Supplies

of every description.

Manufacturers of Telegraph Machinery and Materials of every description, Wire, Galvanized and Plain Office Wires, Switch Boards, Insulators and Brackets, Acids, Quicksilver, Blue Vitriol, Constructors' and Repairers' Tools, &c., &c.

SOLE AGENTS FOR THE AMERICAN COMPOUND TELEGRAPH WIRE,

General Agents for Bishop's Gutta Percha Wires & Cables.

Sole Agents in the United States for the Celebrated English Galvanized Wires of Messrs. Richard Johnson & Nephew.

Sales _____

Folio _____

TERMS CASH. *P. O. Box 1714.* **No. 8 DEY STREET.**

33 1/3 Yds. Stable Conducting Cord @ 30 — 6.64

Rec'd

L. G. Tillotson & Co.

per S. T.

Shipped via _____

Order No. _____

Package No's. _____

[ON BACK OF PRECEDING PAGE]

1874. Telegraph - Edison & Murray - Bills and Receipts (D-74-009)

Bills, receipts.

All selected.

Page 45 DUE AND PAYABLE JAN. 1st, 1874, AT THE OFFICE OF THE BOARD, 768 BROAD ST., OVER MECHANICS' BANK.

Ms W. A. Kirk & Co

To THE NEWARK AQUEDUCT BOARD, Dr

For the use of Water at 12 Ward street, from October 1st, 1873, to April 1st, 1874, $10

Received Payment,

Registrar.

All bills must be paid on or before Jan. 15th.
The water will be turned off from all premises for which bills remain unpaid, after that date, in which case water will not be again turned on without the payment of the bill, together with a charge of one dollar for turning off and on.

[FOR RULES SEE BACK OF BILL.]

DAILY ADV. PRINT.

TO THE TREASURER OF THE NEWARK AQUEDUCT BOARD

Page 45 Amount 10

YARD FOOT OF DIVISION STREET.

Newark, N. J. Jan 1 1874

Mr Edwin L Murray

Bought of Delaware & Hudson Canal Company.

Mr 26	2 Ton	of Lackawanna Stove coal, @	7.00 per ton, $	14.00
Dec 31	2 Ton	do.	do. @ do.	14.00

Received Payment Jan 7 By cash 28.00 20.00 8.00

Agent.

MONTHLY STATEMENT.

Newark, N. J., Jan 1 1874

Mr. Y. C. Edwin

To Newark Edge Tool Manufactory, and Grey Iron Foundry,

No. 78 ADAMS STREET.

C. A. DeHART.

To 1 Saloon Bell Jan 1. 6.98

Rec'd Pay

C A DeHart

Mathematical and Philosophical Instruments, Microscopes, Microscopic Apparatus and Prepared Objects, Magic Lanterns, Spectacles, Tape Lines, Profile and Engineer's Drawing Paper and Materials, &c.

SAMUEL L. FOX.
JESSE S. CHEESMAN.
W. H. WALDRAM, late with JAMES W. QUEEN & Co.

TERMS _____ In New York Par Funds.

NEW YORK, January 8th 1874

Mr. T. A. Edison 10 & 12 Ward St Newark N. J.

ILLUSTRATED MANUALS ON THE FOLLOWING SUBJECTS:
Mathematical Instruments, 125 Pages.
Optical Instruments, 54 "
Magic Lanterns, 88 Pages, 10 cts. Each.
Philosophical Instruments, 60 Pages, 25 cts. "

Bought of James W. Queen & Co.,
OPTICIANS,
601 BROADWAY, New York. 924 CHESTNUT ST., Philadelphia.

To Mdse as per Bill	320 00	
6 p.c. Disc	50	
	320 50	

C.O.D. Rec'd Payt. D. S. & W. E. & Co per H. Conine

Rec'd Payt. Jan 8th 1874 + Charge

Newark Jan 10th 1874

Required ~~for the use of the AMERICAN TELEGRAPH WORKS~~ of T. A. Edison J. B. Reiff Check for Five hundred dollars on acct.
$500 — Wm. H. Kirk & Co
PATH

PAPER BOXES
of every Description.
Plain & Fancy,
Constantly on hand
AND
Made to Order.
TERMS CASH.

Newark, N. J., Jany 16 1874

Mr. Edison,
Bought of **Jacob Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic and Brown Sts.

10	Cuney	26½	15	17	95	9	50	
10	"	32½	24	29	145	14	80	
								24 30

YARD FOOT DIVISION STREET.

Mr. T. A. Edison Newark, N. J. Jan 20 1874

Bought of **DELAWARE & HUDSON CANAL COMPANY,**

1 Ton of LACKAWANNA Stove COAL, @ per Ton, $ 7.00

Ton do. do. @ d.

Received Payment,

N. Van Brogan Agt.

MONTHLY STATEMENT.

Newark, N. J. July 2nd 1874

Mess. T. A. Edison & Co

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER,

GILDER, AND LETTERER ON GLASS.

	1 Doz. Bottles Japan	3 00	96
Aug 22	" Lining do Centre	30	00
"	" " 180 Ring & Stripe	1	20
		$ 34	16
	Cr By Cash	$ 20	00
		$ 14	16
	Received Payment		
	Geo Price		

$ 100

20 Cents

Newark, N.J. Feb 13 1872

Received of Mr. T. A. Edison

One hundred Dollars

On a/c

Newark Mineral Co

Per Edwards

MONTHLY STATEMENT. (1874 (3))

New York, 187

Messrs. Gibbons & Murray,

In account with **M. LUKANITSCH,**

IMPORTER OF FRENCH AND SWISS

SUPERIOR FILES AND TOOLS,

195 WILLIAM STREET.

				CURRENCY.		GOLD.
		As per Bill rendered,				
		To Balance		$13	26	
Jan	8	To Notes		64	16	11 136
"	14	" "		47	20	13 0 62
"	21	" "		76	46	
Feb	18	" "		28	20	18
				229	28	17 82
Jan	26	by Notes	12.11			
Feb	11	" Check	100	112	11	
		To balance		$117	17	

Newark, N. J. Feb 25 1874

Messrs Dixon & Murray

LACKAWANNA COAL
FROM THE CELEBRATED
Baltimore Mines,
WHOLESALE AND RETAIL.
OFFICE, FOOT OF DIVISION STREET.
HENRY VAN BERGEN, Agent.

1873

The Delaware & Hudson Canal Co. Dr.

Nov 26	2	Tons Stove Coal	7.00		14	00
Dec 29	2	" " "	"		14	00
Jan 23	4	" " "	"		28	00
					56	00
1874 Jan 27		By Cash			20	00
					36	00

Paid Mch 6/74

N. Van Bergen Agt

Sandon

No discount allowed after 5 days have expired.

Last Discount Day, 5 Instant.

FOLIO, 4190 PREMISES, 1042 Ward STREET.

M. T. A. Edison

To NEWARK GAS LIGHT CO., Dr.

To GAS consumed from DECEMBER 1, 1873, to MARCH 1, 1874.

STATE OF METER AT THIS DATE,	4722 90	
LESS DO. AT LAST SETTLEMENT,	4702 00	
CONSUMPTION,	20 90	at $3.25 per thousand feet, $6.50

Less 2½ per cent. discount, if paid in Five days after presentation, $

Bill Presented, 2 Received Payment, Crawford

OFFICE, No. 9 GROVE STREET, NEWARK, N. J.

Copper Work, Roofing & Plumbing
DONE TO ORDER.
CAST IRON AND LEAD PIPE, FITTINGS, &c., FOR STEAM, WATER AND GAS.
IMPROVED
Low-Pressure Steam Apparatus.
Mills, Factories and Private Dwellings Heated with direct or exhaust steam and Lighted with Gas.
Jobbing Promptly attended to.

Newark, N. J., March 10 1874

Mr Edison & Henry

Bought of S. H. YOUNG,
MANUFACTURER AND WHOLESALE AND RETAIL DEALER IN
Stoves, Ranges, Tin & Sheet Iron Work,
PLUMBER, STEAM & GAS FITTER, &c., &c.,
No. 848 BROAD STREET.

Feb	10 To 8½ Hours Labor	40	1 40	
	" To fuel & pipe		42	
	" 1½ Hrs Boiler		60	2 62

Rec'd Pay Ment S. H. Young

Mch. 12 1874

Rec'd from T. A. Edison
$11 00/100 in full of all demands
to date.
Henry Schimp
March 12th 1874 Received Payment

☞ NICKEL PLATING OF EVERY DESCRIPTION. ☜

Newark, N. J., March 17 1874

Messrs Murray & Eddison

PROMPT ATTENTION GIVEN TO
Surgical Instruments,
Saddlery, Hardware,
PLUMBERS' MATERIALS,
Soda Fountains, Railroad Car Work,
&c., &c.

Licensed by the United Nickel Co. of N. Y.

Ty L. A. SMITH, Dr.

Fire, Electro-Silver, & Nickel Plater,

42 MECHANIC STREET.

To Plating Lettins	1	00
		25
Recd payment L. A. Smith		

MONTHLY STATEMENT.

New York, March 17 1874

Mess. Murray & Co.

In account with **M. LUKANITSCH,**

IMPORTER OF FRENCH AND SWISS

SUPERIOR FILES AND TOOLS,

195 WILLIAM STREET.

			CURRENCY.	GOLD.
Sep	17	As per Bill rendered,	12	70
		Received Payment		
		M. Lukanitsch		

MONTHLY STATEMENT. (1874 ?)

New York, 187

Mess. Edison & Murray

In account with **M. LUKANITSCH,**

IMPORTER OF FRENCH AND SWISS

SUPERIOR FILES AND TOOLS,

~~195 WILLIAM STREET.~~

541 Broome St

	CURRENCY.	GOLD.
As per Bill rendered,		
To balance	117	17
		85
March 23 To Order	3	25
" 25 " "		
	121	27

Please remitt

Rahway N.J. March 30th 1874

Mr. Thomas A. Edison

To A. T. Crane, Dr.

Engineer of Drilled & Driven Tube Wells. Also Dealer in all kinds of pumps, pipes SINKS &c.

For Sinking Well			
March 20 20 feet 4"	1.50	30	00
" " 42 ft " 1¼ Pipe	.40	17	00
" " 2 " " Elbow		60	
" " 1 Fire Pump		30	00
" " 57 lbs of Lead Pipe	.15	8	55
		86	15
		50	00
		$ 36	15

March 28 Rec'd by check

New York, April 13 1874

Mr. N. C. Wintersteen

Dr. RAE & PURCELL, Dr.

(SUCCESSORS to W. T. ALLING.)

DESIGNERS & ENGRAVERS ON WOOD,

66 & 68 Fulton Street.

Wood Engraving, Designing & Engraving, Book Illustrations, Trade Cards, Vignettes, Tinted Cards, Visiting Cards, Monograms, Stamping, Embossing, Steel Dies, Rubber Stamps & Stencils, Gold Pens & Pens in Gold, Pen & Pencil Drawing, Photo-Engraving, Photo-Lithography, Photo-Zincography.

To Engraving Block Mark	$ 8.00
" " Electro of same	.25
" " Electro of Same	$ 2.50
" " Electro of Same No. 2	.50
	$ 8.75

Rec'd Payment

Rae & Purcell

MONTHLY STATEMENT.

Newark N.J. April 1st 1874

Messrs. T. A. Edison & Co

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER.

GILDER, AND LETTERER ON GLASS.

Small 4	Lettering 1st quality	6	00
" 8	" "	4	00
" "	1 Gentl's van	2	00
" "	40 Prong Sides	4	00
" 18	" " G Sum Lab Boxes	4	50
" 26	" 1 " Jars	5	00
		$ 11	50
Cr. By Cash		2	00
		9	50

The India Rubber Comb Co.
Nos. 9, 11 & 13 Mercer St.

New York, April 28th 1874

Received from Mr. O. T. Murray

Eleven and 20/100 Dollars

being full settlement for Bill Apl 24th

$ 11 20/100

The India Rubber Comb Co.

Per W. Meiding

RECEIPT

NEWARK, N. J., May 1 1874

Received from T. A. Edison Esq

One hundred DOLLARS.

rent

$100

Smith Dorsey
Executed

MONTHLY STATEMENT.

Newark, N. J. May 1st 1874

Mr. T. A. Edison

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER.

GILDER, AND LETTERER ON GLASS.

		4 Coat of Varnishing		4 60
1874	20	" 25 Brass Trim		12 50
"	27	" 20 " "		12 50
"	"	" 94 Magnetic Tile		94
				30 54
May 1		On Pay Check		20 00
				10 54

$81.40/100

Received Nauvoo, Ill. May 2 1874

of Mr. J. H. Murray for 2.95

Eighty one 40/100 Dollars

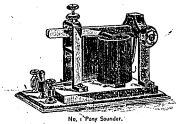
In full to 1st

Marshall Kelly Pd

W. B. Prescott & Co. Stationers & Engrs. N.Y.

Cash

NEW YORK, May 4 1874



No. 1 Pony Sounder.

Bought of **L. G. Tillotson & Co.,**

RAILWAY AND TELEGRAPH SUPPLIES

OF EVERY DESCRIPTION.

Manufacturers of Telegraph Machinery and Materials of every description, Wire, Galvanized and Plain Office Wires, Switch Boards, Insulators and Brackets, Acids, Quicksilver, Blue Vitriol, CONSTRUCTORS' AND REPAIRERS' TOOLS, &c., &c.

SOLE AGENTS FOR THE AMERICAN COMPOUND TELEGRAPH WIRE, General Agents for Bishop's Gutta Percha Wires & Cables.

Sales ..... Sole Agents in the United States for the Celebrated English Galvanized Wires of Messrs. Richard Johnson & Nephew.

Folio ..... TERMS CASH. *P. O. Box 1714.* **No. 8 DEY STREET.**

1 Sheet Rolled Iron 1/8" 26 3/4 lbs 20¢ 5,35

Paid L. G. Tillotson & Co

Shipped via .....

Order No. .....

Package No's. .....

ROOFING
PLUMBING,
GAS FITTING, COPPER WORK,
—AND—
JOBBING
Promptly Done.

Newark, N. J. May 4 1874

Mr. Edison & Murray

Bought of S. H. YOUNG,

MANUFACTURER AND WHOLESALE AND RETAIL DEALER IN

Stoves, Ranges, Tin & Sheet Iron Work,

No. 22 FAIR STREET.

Apr. 22	00.	3 ft. lead pipe	15		45	
		1 ft. putty			06	
		Head. Lead			15	
		8 hour time		1	20	
		" " H & Jk			90	2 76
		" Repairing sink				

Recd payment.
S. H. Young

RECEIPT

Received from J. V. Murray
Thirty 36/100 — DOLLARS,
In full to date for Acct of J. V. Murray & T. A. Edison
Williams & Plum
Dr. Kerrison

NEWARK, N. J., May 5 1874

22.36 Murray
8.00 Edison
$ 30.36

—No Claims whatever will be allowed, unless presented within SIX days after receipt of Goods.—

Jersey City, May 11 1874

Mr L. A. Edison

Bought of ROUSE & TURNER,

MANUFACTURERS OF
White Granite
—AND—
C. C. WARE.

"Jersey City Pottery,"

Terms Cash.

OFFICE, COR. ESSEX & WARREN STS.

15	4	Pans Cash	4/	15	01	
		Carrall			75	13 75

Paid
Lemon Rouse

Cd

Newark, N. J., May 21st 1874

M. J. T. Murray & Co

Bought of **Jacob Hey**

Manufacturer of

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., in the rear.

25 Walnut Cases	70 ¢	$17.50	
50 " Blocks	5¢	1.50	$19.00

Received Pay
Jacob Hey
Fed

Philadelphia, May 31 1874

Mess. Edison & Murray Newark N.J.

Bought of **Joseph Moore & Sons,**

MANUFACTURERS OF

INSULATED TELEGRAPH WIRES,

Office Wires, Magnet and Register Wires, Single & Double Flexible Cords, &c.

ALL SIZES & STYLES, IN STOCK & MADE TO ORDER,

TERMS, NET CASH. 30 dys. NAMES PRINTED & STYLE OF WIRE FREE. 535 & 537 CHINA STREET, BELOW GREEN.

24 Gk. lbs. 19 (in 20) F. Cy. Gr. Wire Gr. 160		39.00
45 Gk. " 19 (in 20) " " Ukl. Cl. " 80		35.70
		77.70
Bxg by Ey. 11 Spools 10c		1.10
		$78.80

Philadelphia, May 22 1874

Mess. Edison & Murray Newark N.J.

Bought of **Joseph Moore & Sons,**

MANUFACTURERS OF

INSULATED TELEGRAPH WIRES,

Office Wires, Magnet and Register Wires, Single & Double Flexible Cords, &c.

ALL SIZES & STYLES, IN STOCK & MADE TO ORDER,

TERMS, NET CASH. NAMES PRINTED & STYLE OF WIRE FREE. 535 & 537 CHINA STREET, BELOW GREEN.

335 yds. Cap Wire Flexible Cord Insl. Rubber	5c	$16.75

Pd by Ey.

Newark, N. J., May 26th 187

Mr J. T. Murray & Co

Bought of **Jacob Hey**

Manufacturer of

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., *in the rear.*

	26 Walnut G.B. Case 70		8/18.20

Received Pay
Jacob Hey
7084

May 26th 1874

Rec'd from J. T. Murray
check for ($5.00) fifty five dollars
Frank B Thompson

Newark, N. J., May 27 1874

Mr J. T. Murray

TO DAVID THOMPSON, Dr.

MANUFACTURER OF

Carbons for Electrical Purposes,

No. 13 LUSH STREET.

May	27	200 Not carbons	10	$20.00

Rec pay
David Thompson

83 State St Brooklyn
May 29. 74

T. A. Edison
Lo Po Riordan Dr.

To 49. Electrotypes at $3.75 — $184.75
" one half cost printing pamphlet 4.50
" Balance due — for Engraving — 3.00

Rec'd on acct. 122.25
70.00
$122.25

owe only
Sept 5 1874

3/5 old
1/5 new for operation first 100

No Allowance for Breakage in Transportation.

Sales, _____

New York, May 29 1874

M. T. A. Edison & Murray

Bought of SCOVILL MANUF'G CO.

Terms Cash

419 & 421 Broome Street.

disc			
2 1/2 ft Zinc Rings to pamphlet			
105 2nd lb	17	17	94
Extra Labor		5	
Net			17 94

ord 5665

FORWARDED BY AR

MONTHLY STATEMENT.

Newark, N. J. June 1 1874

Mr T. A. Edison

To Wm. M. Edwards, Dr.

TERMS CASH.

1873				
April	19	To 13 lbs. castings	@	5 85
1874				
Mar	29	" 16 1/2 "	"	7 42
April	21	" 7 1/2 "	"	3 37
May	18	" 14 1/2 "	"	6 52
				23 16
				7 42
				15 74

Rec'd Payment

Wm M. Edwards

J. Soden

STATEMENT.

Newark, N. J. June 1 1874

Mess. Edison & Co.

To JACOB GAUCH & BRO., Dr.,

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

April	To Mechlas, as per bill rendered.	86
May		9
		95

Received Payment

J. Gauch & Bro

MONTHLY STATEMENT.

Newark, N. J. June 1st 1874

Mr. T. A. Edison

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER,

GILDER, 2ND LETTERER ON GLASS.

Nov	20	To Bathness & Wills		52
Feby	12	" Lettering 20 quarts Brass		10 00
				10 52

Rec'd Payment

Geo Price

Greenpoint, L. I. June 9th 1874

Messrs Edison & Murray

MANUFACTURER OF
STEREOSCOPES.
In Black Walnut,
MAHOGANY, TULIP, SATIN,
ROSEWOOD, &c.
Patent Rubbered Black Walnut Tools

Bought of **CARMAN PEASELL,**
MANUFACTURER OF
STEREOSCOPES,
119 & 121 FREEMAN STREET.

All Bills not paid in 30 days subject to draft at sight.

200 Boxes	at 50¢	100.00
2 Cases	1.50	3.00
		103.00

Brooklyn June 10th 74

Messrs Edison & Murray

To R. Rundan Dr

To Eng & Electro 2 cuts "Inductrum" 35.00

" " 1 cut Tel. Inst 30.00

65.00

Rec'd Inductrum $ 6.00

Cash 20.00 26.00

$39.00

WASHBURN & MORSE MFG. CO.
Incorporated 1868.
Established 1831.

No. 142 Chf St

New York June 11 1874

Received from J. L. Murray Co.

Eighteen 00/100 Dollars

deposit on order of today

$18.00

Washburn & Morse Manufacturing Co.
per A. E. Smith

Geo. F. Nesbitt & Co. N.Y.

if you can let me have
a letter

but Pay the Boys
Especially the Dutch
musicks man

Joseph
$105.00

Commissary
Stores
$103.00

O Riordon
Paid. 65.00
26

$65.00
Leonard Rhoades
Me Maine

No Allowance for Breakage in Transportation.

Sales, _____

New York, June 15 1874

M. T. A. Edison & Murray

Bought of SCOVILL MANUF'G CO.

Terms Cash

419 & 421 Broome Street.

3x7 lbs Zinc Plates 15 7/16 lbs		
15		23 16
Net May 29 Bill		27 90
#318		46 60

FORWARDED BY

Philadelphia, June 18th 1874

Mess. Edison & Murray Newark N. J.

Bought of **Joseph Moore & Sons,**

MANUFACTURERS OF

INSULATED TELEGRAPH WIRES,

Office Wires, Magnet and Register Wires, Single & Double Flexible Cords, &c.

ALL SIZES & STYLES, IN STOCK & MADE TO ORDER.

TERMS, NET CASH. NAMES PRINTED STRAIGHT PAGE. 535 & 537 CHINA STREET, BELOW GREEN.

5 5/16 lb. #19 (B&S) Rec'p. Cot. Ins. 80c	$ 4.07
7 Spools.	70
	$ 4.77
Bo. Y. E.	

All claims for deductions, must be made on receipt of goods.

Phillip L. Mem, PRESIDENT.
William E. Hire, TREASURER.
Charles F. Washburn, SECRETARY.

12 Cliff St New York June 19 1874

Mess J. T. Murray & Co Newark

Bo't of Washburn & Moen Mfg Co.

OF WORCESTER, MASS.

Iron Manufacturers and Drawers of Iron & Steel Wire

Terms Net Cash. ESTABLISHED 1831. Order No. 8811

106 lbs 2/0 x 3/4 Gun Wire 4 strand 4 ft	16¢	16 96
4 cutting	1¢	1 06
		18 02
16 02	paid	18 00
		02

Newark, N. J., June 27th 1874

Mull Edison & Murray

To Van Alstyne Brothers, Dr.

MANUFACTURERS OF AND DEALERS IN

WRAPPING PAPER AND TWINES,

Particular attention given to Orders for Special Sizes. 63 MECHANIC STREET.

	1½ qrs 7/8 Hardward Paper		50	
	1 Box "	70 # 9¢	630	$6 80
July 2	1 Ball Hemp Twine			22
	Recd Pay			7 02
	Van Alstyne Bros			

Newark June 30/74

Mr J. F. Murray
To S. C. Moochouse Dr
To Repairing Pistol $1.50

14

New York, June 1874

Mess'rs H. L. Edison & Murray

THE SCOVILL MANUFACTURING CO.,

419 & 421 BROOME STREET.

May 29	To Merchandise.	Bal	$ 22.94

☞ All accounts not paid for at maturity will be drawn for at 30 days without further notice, adding interest.

YARD FOOT OF DIVISION STREET.

Newark, N. J., June 1 1874

Mr Thos A Edison

Bought of Delaware & Hudson Canal Company.

2 Ton of Lackawanna Grate Coal, @ 6.75 per Ton, $ 13.50

2 Ton do. Stove do. @ 7.00 do. 14.00

27.50

69 Wright St.

Received Payment,

Agent.

No discount allowed after 5 days have expired.

Instant.

Folio, 7190 Premises, 104½ Hard Street,

Mr T. A. Edison

To NEWARK GAS LIGHT CO., Dr.

To GAS consumed from JUNE 1 to JULY 1, 1874.

State of Meter at this date, . . . 48856 00

Less do. at last settlement, . . . 48225 00

Consumption, . . . 50 00

Less 2½ per cent. discount, if paid in Five days . . . .

Bill Presented, 1 Received Payment

Last Discount Day.

Offices, 605 & 607 Broad Street, Newark, N. J.

Page 13

Bond payable July 1st, 1874, at the office of the Board, 708 Broad St., over Mechanics' Bank.

Mr W. N. Kirk & Co

To THE NEWARK AQUEDUCT BOARD, Dr.

For the use of Water at 13 Hard street, from April 1st, 1874, to October 1st, 1874, $10.

Received Payment,

Registrar.

All Bills must be paid on or before July 15th.
The water will be turned off from all premises for which bills remain unpaid, after that date, in which case water will not be again turned on without the payment of the bill together with a charge of one dollar for turning off and on.

[For rules see back of bill.]

DAILY ADV. PRINT

Amount 10

Page 13

Name W. N. Kirk & Co.

Amount 1.50

Page 13

Name Thos. A. Edison

Amount 1.50

Page 13

Name Thos. A. Edison

Monthly Statement.

Newark, N.J., July 1 1874

Mess. Edison & Murray

To Albert Hayden, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

54 & 56 Mechanic St.

June 1		To	Statement		11	14		
June 3		J	(setting	3.34				
		J		.40				
	4	J		2.07				
	5	J		.40				
	9	J		1.40				
	10	J		.10				
	11	J		.50				
	12	J		1.90				
	13	J		.35				
	16	J		.47				
	17	J		1.15				
	18	J		.50				
	20			1.30				
	22			.51				
	23			.63				
	24			.54				
	29			1.15				
	30			.50				
				.90	27	15		
	9	J	Mdse	10.00				
	15	J		11.23	71	54	63	71
Inv. 15			c.i. By Cash				30	
							33	71

STATEMENT.

Philadelphia, July 1st 1874

Mess. Edison & Murray

To Jos. Moore & Sons, Dr.

TERMS CASH. 836 & 837 CHINA STREET.

May 21	To Mdse	75.80
22	To "	16.75
June 18	To "	47.77
		$140.32

104

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF

Telegraphic & Electrical Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE REPAIRING AND REPAIRING OF

Electrical Apparatus, OF EVERY DESCRIPTION.

Bryson & Pole, Printers, 43 South Fourth Street.

TERMS: NET CASH.

ORDER

New York, July 17, 1874

Edison & Murray.

To PARTRICK, BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

22 DEY STREET, NEW YORK.

38 South Fourth Street, Philadelphia.

25	lbs Gulf Copper	1c	$2.75

MONTHLY STATEMENT.

Newark, N. J. July 20th 1874

Mr. T. A. Edison

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER.

GILDER, AND LETTERER ON GLASS.

June	22	12	Lettering 6 Counters		3.00
"	24	"	" 10 "		5.00
"	25	"	" 16 "		8.00
"	27	"	" 27 "		13.50
"	"	"	" 106 Engraved Slides		1.06
July	14	"	" 10 Lettering Chart		5.00
					35.56

Recd Payment

Geo Price

Philadelphia, July 22 1874

Messrs. Edison & Murray, Newark N. J.

Bought of **Joseph Moore & Sons,**

MANUFACTURERS OF

INSULATED TELEGRAPH WIRES,

Office Wires, Magnet and Register Wires, Single & Double Flexible Cords, &c.

ALL SIZES & STYLES, IN STOCK & MADE TO ORDER,

TERMS, NET CASH. 535 & 537 CHINA STREET, BELOW GREEN.

575 yds. Iron Flexible Cord	5c	$ 29 80
2 Spools		20
Pd by Ex		$ 30 00

Messrs Edison & Murray

Dr. to E. W. FOSTER,

Special Agent for the Lists of Co-operative Newspapers,

148 and 150 WORTH STREET, NEW YORK.

1874 July 22	For Advertising 3 lines, 1 week in New York Newspaper Union List	$ 2 25
	Recd Payt E. W. Foster	

Newark, N. J., July 23 1874

Mr William Barnes Dr

~~Bought of~~ EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,	Induction Coils,	Marine Galvanometers,	Morse Keys,
Resistance Coils,	Diffrential Galvanometers,	Secondary Batteries,	Morse Sounders,
Condensers,	Electrometers,	Polarized Relays,	Philosophical App.
Submarine Keys,	Siemon's Ink Recorders,	Morse Registers,	Learners Recording Insts

10 & 12 Ward Street, Newark, N. J.

By Bill collected of G. M. C. A.	48
By Bill collected of Wm Keenes	1 60
	$ 1 08
	30
Cr By Cash	$ 78

Messrs Edison & Murray.

Dr. to E. W. FOSTER,

Special Agent for the Lists of Co-operative Newspapers,

148 and 150 WORTH STREET, NEW YORK.

1874 July 28	For Advertising "Inductorium", 3 lines, 1 week, in New York Newspaper Union List,	$8.25

Rec'd payt
E. W. Foster

HOLBROOK, PRINTER, 11 Mechanic-st.

Newark, N. J. Aug 28 1874.

M Edison & Murray

Bought of **CONDIT, HANSON & CO.,**

IMPORTERS AND MANUFACTURERS OF AND DEALERS IN

ACIDS, ALKALIES, DYE STUFFS, SHELLAC, ALCOHOL &c.,

C. HARRISON CONDIT,
JOSEPH HANSON,
ABRAHAM VAN WINKLE.

236 MARKET STREET, cor. Mulberry.

10 Red Prussiate	75	7 50

Rec'd Payt Aug 27/74
Condit Hanson & Co
per T. M.

MONTHLY STATEMENT.

Mr Edison & Murray, 1874

In account with C. H. & J. D. HARRISON.

CHAS. H. HARRISON,
JOHN D. HARRISON.

TERMS,

June 20 Solder		6 83
		5 55
		12 38

Rec'd Payt Aug 1874

14

Received Newark July 29th 1874 from T A Eddison Twelve hundred & twelve 50/100 dollars in full for rent of premises No 10 & 12 Ward Street to April 1874

$1212.50/100 Wm H Kirk

New York, July 31 1874

Mess T A Edison & Murray

To SCOVILL MANUFACTURING CO.,

419 & 421 BROOME STREET.

May 29 June 15	To Merchandise.	22 94 / 23 66	$46 60

SCOVILL MF'G CO. AUG 7 '74 NEW YORK

Paid H Littlejohn

Monthly Statement.

Newark N.J., Aug 1 1874

Mess Edison & Murray

To Albert Hayden, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

54 & 56 Mechanic St.

Jy	1	To Statement		63 71		
	9	Misc.		55		
	1	Castings	6			
	1		1 4			
	8		1 60			
	21		2 00			
	22		3 60			
	30		50			
				12 14		16 34
		Cr				
	4	Cash			30	
					46 34	

TERMS: NET CASH.

New York, Aug 4 1874

Mess Edison & Murray

To PARTRICK, BUNNELL & CO. Dr.

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF Telegraph & Electrical Instruments & Supplies.

PARTICULAR ATTENTION GIVEN TO THE DESIGN, CONSTRUCTION OF ELECTRICAL APPARATUS.

Agents for the Celebrated Grove Batteries.

Telegraph and Electrical Engineers, Contractors, &c.

22 DEY STREET, NEW YORK.

38 South Fourth Street, Philadelphia.

ORDER

20 lbs Pt. Chromate Potash 25

Pt. Stand

PAPER BOXES

of every Description.

Plain & Fancy,

Constantly on hand

— AND —

Made to Order.

TERMS CASH.

Newark, N. J., Aug 7. 1874.

Mess. Edison & Murray,

Bought of Jacob Gauch & Bro.,

MANUFACTURERS OF

PACKING BOXES,

Cor. East Mechanic & Bruen Sts.

21 Cases 1874 6 1/2 x 10 7 94

Rec't Payment

J. Gauch & Bro

Newark, N. J. Aug 7 1874

Mess Edison & Murray

Bought of **A. & E. C. HAY,**

Manufacturers of HATTERS' FLUES, and

ALL KINDS OF IRON CASTINGS AND FACTORY STOVES,

TERMS, CASH. **Nos. 9, 13 and 15 ALLING STREET.**

	To 18½ lb Cooling 5½	1	02
	Rec'd Aug 6 E C Hay		

Rec'd N.Y. Aug 10th 1874
From Edison & Murray
the Sum of Thirty Dollars
($30.00) R O Riordan
per Joseph Hoey

Not Responsible for Breakage.

New York, August 11th 1874.

Mess. Edison & Murray Menlo Pk. N.J.

Mr. Rohrbeck & Goebeler,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C. &C.

No. 4 MURRAY ST., near Broadway.

Terms: C.O.D. per Express.

2 Dz 4 inch Test Tubes	40 ⅌ C	80	
1 Bosi's Gas Burner	"	1 75	
1/2 Dz Mort Brakes 3 in Mort	38 "	2 28	
1/2 Dz Mess. Evaporating Dishes	58 "	3 48	
Assortement of Pure Chemicals	"	21 08	
Bottles for do	"	5 25	
Packing etc.	"	1 25	
			$35.89

Paid
N.J.L.&G.
per L.

Nett

FORM No. 35.

No. ..... Station, Aug 13 1874

Mr. Edison & Murray 10 & 12 Ward St

To PENNSYLVANIA R. R. CO. Dr.

For Freight from Rahway per Manifest No. 205

on

MARKS.	WEIGHT.	RATE.	AMOUNT.
2 Boxes	50	@ 5	25
			25
			50

Received Payment for the Company,

Agent

Page 4/5

STATEMENT.

New York, Aug 1st 1874

Alex Edson & Murray
10 & 11 Maiden Lane Newark N.J.

To **Manhattan Brass & Mfg. Co.** Dr.

83 READE, Cor. Church St.

June 5	Dr @ Order	4	0

Rec payment Aug 7 74
Manhattan Brass Co
(24)

J. H. C.

Monthly Statement.

Newark N.J., Sept 1 187

Messrs Edson & Murray

SUBJECT TO SIGHT DRAFT ON THE 15TH.

To **Albert Hayden**, Dr.

54 & 56 Mechanic St.

Aug	1	To	Cash	46	31	
	1		Castings	3 +		
	6			1.50	2.13 +	
	11			90		
	14			6.50 +	4.45 chg	
	19			5.90		
	21			6.90		
	25			45		
	"			44	70 50	
					86	48
						4
	15		Castings Rec'd	4	45	6 43

Sept. 15th Aug. shown for chg.

Many thanks for your patience Edison T. Delaney

Albert Hayden

P 2050

Newark Sept 19th 1874

Newark Telegraph Works

Mess Edison & Murray Dr

To J. M. Clark

Making Roll for Paper Cutter			
" 18 Hours time @ 45c	8 10		
" Walnut Lumber	1 50		
" Screws	5		
" Mahogany Drawing Board	85		
		10 50	
		25	
Rec'd Payment		10 75	

J. M. Clark

ROOFING
PLUMBING,
GAS FITTING, COPPER WORK,
—AND—
JOBBING
Promptly Done.

Newark, N. J., Sept 30 1871.

Mr Murray Dr.

Bought of S. H. YOUNG,

MANUFACTURER AND WHOLESALE AND RETAIL DEALER IN

Stoves, Ranges, Tin & Sheet Iron Work,

No. 22 FAIR STREET.

Sept 30	15	1/2 ft. Gas pipe	10	1 50		
"	6	3/4 Iron Ell	30	1 80		
Work	2	3/4 Cock	15	30		
done by	6	3/4 pillow cocks	15	3 70		
Tim	9	hours time plumber	40	3 60		
Finishing	9	" " helper	30	2 70		
	6	Burners	10	60	14 10	
Oct. 1	1	Argand Burner		1 25		
"	1	Brass pillow cock		65		
"	1 ft 6	Copper pipe	40	60		
"	1	Brass Elbow		1 00		
"	1	" Branch Elbow		1 00		
"	5	hours time	40	1 00	5 50	
		Rec Pay Mut			$19 60	

Monthly Statement

Newark N.J., Oct 1874

Messrs Allison & Murray

To Albert Hayden, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

54 & 56 Mechanic St.

Sep	1	To Hemmt		6.43	
	7	Cuttings	7.47		
	11		1.60		
	14		1.80		
	15		1.20		
	16		3.40		
	17		1.20		
	19		1.40		
	21		1.20		
	26		75	26.31	
	31	Mules	2.25		
	33		3.75		
	36		75	5.75	
				37.48	
Notchg		Cutting Rd		7.50	29.98

Received N.Y. Oct 22nd 1874

Messrs Allison & Murray

Pr To Jno Bartmore

14 Ths Charcoal @ 50¢ — $7.00

Receipt

C. Meadman

Jno 3rd 1874

N York October 3rd 1870

J T Murray Esq.

Bot. of W. Bailey Lang & Co.

54 Cliff St. New York,

102 North St. Boston.

W. Bailey Lang, George H. Wheeler

TERMS. CASH.

2 Pairs Low Moor 1 3/4 x 14 — 23 lbs @ 11¢ — $2 53

Rec'd Payment

W Bailey Lang & Co

per A Fiebler

ROOFING
PLUMBING,
GAS FITTING, COPPER WORK,
—AND—
JOBBING
Promptly Done.

Newark, N. J., Oct 26, 1874

Mess Murray & Co

Bought of S. H. YOUNG,

MANUFACTURER AND WHOLESALE AND RETAIL DEALER IN

Stoves, Ranges, Tin & Sheet Iron Work,

No. 22 FAIR STREET.

Oct 17	Amt up Vending Co		20 50
	Cash		10
	Bal due		10 50
	Paid S. H. Young		
	Oct 31/74		

Monthly Statement.

Newark, N. J., Nov 1 1874

Mess Edison & Murray

To Albert Hayden, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

34 & 36 Mechanic St.

Oct 1	To Cement	8	93	
2	Mular	5	35	
3			30	
5		11	57	
12			20	
			10	
17	Castings	1	10	106 85

RECEIPT.

NEWARK, N. J., Oct 31 1874

Received from Edison & Murray

Ninety five Dollars,

$95.00

On account

Millard Fillmore

Per C. Jones

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF **Telegraphic & Electrical** Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE ATTENDING AND REPAIRING OF Electrical Apparatus. OF EVERY DESCRIPTION.

TERMS, NET CASH.

Philadelphia, Nov. 5th 1874

Edison & Murray

To PARTRICK, BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

ORDER

38 SOUTH FOURTH STREET.

1 Silver plate for Kidder Battery	50	

delivered to Mr Edison here

The Gold and Stock Telegraph Co.

61 BROADWAY, NEW YORK.

NEW YORK, Nov 6th 1874.

Edison & Murray

To Gold & Stock Telegraph Co., Dr.

For 1 Quad Transmitter

for Twistlyb Instrument Cards $50.00/100

Received Payment for the Company,

Treasurer

Received

Newark, N. J. Nov 7th 1874

from Mess Edison & Murray

Thirty 00/100 DOLLARS,

On a/c

$30.00/100

For Sale by Jos. Dearne, Son & Co., Printers & Stationers, Newark, N. J.

Edison & Murray

1st TERMS, CASH.

New York, Nov 9th 1874

Messrs Murray & Edison

To D. H. HOPKINS, Dr.

MANUFACTURER OF

Ribbon Hand Stamps, Seal Presses, Steel and Brass Letters,

MARKING PLATES, &c.

THE TRADE SUPPLIED WITH STENCIL DIES.

149 FULTON STREET.

To Steel Stamp & balance of Bill	$10.00
Rec.d & Pay net D. H. Hopkins	

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF

Telegraphic & Electrical Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE ARTICLES AND REPAIRING OF

Electrical Apparatus, OF EVERY DESCRIPTION

Brown & Son, Printers, 13 South Fourth Street.

TERMS: NET CASH.

New York, Nov 24 1874

Edison & Murray

To PARTRICK, BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

22 DEY STREET, NEW YORK.

38 South Fourth Street, Philadelphia.

ORDER

Nov 16.	25 lbs Bi Potash	25c	6.25
Nov 24.	25 lbs Sulph Copper	12c	3.00
			9.25

NEWARK, N. J., Nov 28th 1874

Received from Edison & Murray

Sixteen DOLLARS.

in full for a/c to Nov 1st 1874

Williams & Clark

$

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF **Telegraphic & Electrical** Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE ALTERING AND REPAIRING OF Electrical Apparatus, OF EVERY DESCRIPTION

Bryson & Son, Printers, 11 South Fourth Street.

TERMS: NET CASH.

ORDER

New York, Dec 5 1874

Edison & Murray

To PARTRICK, BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

22 DEY STREET, NEW YORK.

38 South Fourth Street, Philadelphia.

2 cells No 1 Eagle Battery @ 2 25	4 50		
150 ft	67		
		3	83

Newark, N. J. Dec 16 1874

Received from Mr Edison & Murray

Sixty five no/100 Dollars,

~~In settlement of~~ on a/c

$65 00/100

N S Snyder
Per Bennett

54 & 56 Mechanic St.

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF **Telegraphic & Electrical** Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE ALTERING AND REPAIRING OF Electrical Apparatus, OF EVERY DESCRIPTION.

TERMS, NET CASH.

ORDER

Philadelphia, Dec 22 1874

Edison and Murray

To PARTRICK, BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

38 SOUTH FOURTH STREET.

165 lbs #1 1/2 Carbon Rings @ 15	24 75		
Box 75 Drayage 50¢	1 25	25	00
Shipped to day			

TERMS, CASH.

New York, Dec 23 1874

Messrs Edison & Murray

To D. H. HOPKINS, Dr.

MANUFACTURER OF

Ribbon Hand Stamps, Seal Presses, Steel and Brass Letters,

MARKING PLATES, &c.

THE TRADE SUPPLIED WITH STENCIL DIES.

149 FULTON STREET.

D. H. Hopkins
Hand Stamp Works,
83 NASSAU ST. N. Y.

To 1 Steel Stamp. N.U.T.H.Co. 1 75
" 1 Set figures @ 25
Rec'd Pay'mt. $4 00

I do not insure delivery or safe carriage of goods. My responsibility ceases when merchandise leaves Warehouse, receipted in good order—your recourse is upon Transportation Company.

New York Dec 23 1874

Mr. T. Edison & Murray C. O. D.

TERMS.
Net Cash
Post Office Box. No. 1974.

{Iron not Insured against Damage.}

Bought of **WILLIAM OOTHOUT,**

IMPORTER OF IRON AND STEEL,

CLIFF STREET, CORNER of JOHN.

ARTICLES.	SIZES.	BARS.	BRLS.	LBS.	WEIGHT. cwt.	qrs	lbs	AGGREGATE. cwt	qrs.	lbs.	PRICES.	AMOUNT.
Norway Extra	1/2 O		1	100				0	3	16	7½	7.50
— —	3/8 O		1	100				0	3	16	7½	7.50
	1/2 th		1	50				0	1	22	7½	3.50
												18.50
								Cartage				1.00

The sizes Norway short - if quality is wanted, can be made - now in store to be had to-day

New York, Dec 28th 1874

Mr. T. Edison & Murray
10 Park Place

THE INDIA RUBBER COMB CO., N.J.

SOLE MANUFACTURERS
of Goodyear's India Rubber and Gutta Percha Goods.

SYRINGES. DENTAL GUM. RULERS. PHOTOGRAPHIC GOODS.
PESSARIES. THIMBLES. INKSTANDS. TELEGRAPHIC GOODS.
DRUGGIST'S SCOOPS. OILERS. WHIP SOCKETS. MUSTARD SPOONS.
FUNNELS. GIMLETS. WHIP HANDLES. DICE-CUPS.
CORKSCREWS. CASTOR-ROLLS. MARTINGALE RINGS. STAYBONE
variety of other Goods suited to the DRUG, HARDWARE and FANCY GOODS trade.

Nos. 9, 11 & 13 MERCER STREET.

Covers, with heads complete				
2" sample	.20	10	—	
Covers, with heads complete				
3" sample	.27	21	60	
Tubes 1½" long × 1" bore		3	50	35 10

Recd Payment
The India Rubber Comb Co
Per M. Mutting

Menlo Park N.J. Dec 30 1874

Mr. Edison & Murray

To WILLIAM BRUEN, Dr.

BRASS, COMPOSITION AND SOFT METAL PATTERN MAKER
FOR MALLEABLE, GREY IRON AND BRASS WORK.
No. 25 MACDOUGAL STREET.

Terms, Cash on delivery of Goods.

1 Pl 224 Wire 3 ac		
Wire 2 ac		
6 Pulleys & Bracket	18	37
	88	

New York Dec 30 1874

Mr Ed. Edison & Murray 10 & 12 Ward St Newark N.J.

Bought of Pessup & Moore
Paper Manufacturers
Warehouse No 128 William Street.

Terms

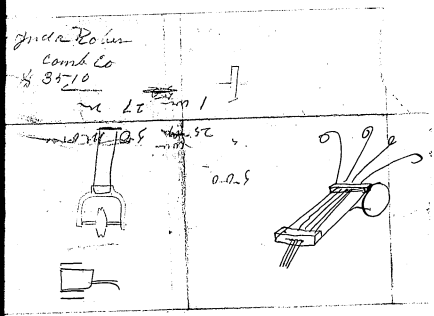
1 Roll 63 In Paper
Frt. 1.50 — 48.30
Received Payment — 1.00
49.50
Pessup & Moore
Per J. Moore

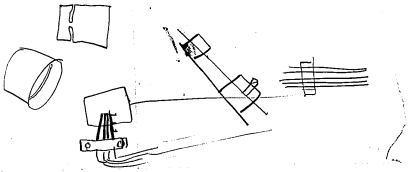
Cancel Ejp
C.O.D. 50

Jim Brunel

#388

Andre Robin
Comb Co
#35-10





Daniel Wiser

#41,130

1874. Telegraph - Patents (D-74-010)

Correspondence, bill.

Not selected: copy of Louis N. LeGras and William L. Gilpin provisional patent.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
119 & 121 NASSAU STREET,
(P. O. Box 4089.) New York, Jan. 22nd 1874.

T. A. Edison Esq.
Dear Sir.

Your patent No. 121,601 issued Dec. 5th 1871 for Perforating Machines has been put in interference with the application of J. J. Grace, filed Oct. 6th 1871.

A preliminary statement is required from you, giving the history and date of your invention and this must be filed by Feb. 23d.

Please call in and see me in regard to this matter as soon as possible.

Yours truly
Lemuel W. Serrell
Jr. Maker.

New York, April 2nd 1874

Thos. A. Edison Esq.

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. — ACCURATELY PREPARED and PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,
SOLICITOR OF AMERICAN & FOREIGN PATENTS,
119 & 121 NASSAU STREET.

To Application for Patent on Self Im Telegraph, Alarm & Signal Apparatus	$30"
Patent fee on do	15"
	$45"

Recd Payment
Lemuel W. Serrell
Per Serrell

1874. Telegraph - Western Union Telegraph Company (D-74-011)

Correspondence, some by Edison.

Not selected: duplicate copies of exhibits bound in Quadruplex Case, Volume 71, Litigation Series.

New York, Dec. 16, 1874.

Hon. Wm. Orton,

Dear Sir,

Your Company has over 35.000 miles of wire which can now be profitably "Quadruplexed."

Considering these 25.000 miles to be already Duplexed, the Quadruplex will create 50.000 miles additional.

You all our patents and efforts in protecting the Company in the monopoly of the same during their life. We will take $\frac{1}{20}$th of the average cost of maintenance of 50.000 miles of wire for seventeen years. One third down, and the balance in yearly payments during the above mentioned period; half of such payments to cease the moment any other person shall invent and put in practical operation a Quadruplex, (not infringing our patents.) upon a circuit of 400 miles in length.

Respy.

Thomas A. Edison.

New York Dec 17/74

T A Edison.

You are authorized to make twenty sets of Quadruplex complete, for twenty circuits, all to be finished and delivered within fifty five days from date. The finish and workmanship to be equal to those made by G. M. Phelps, and the cost of each set not to exceed the cost of the sets already made

Milton Orton

Pres

1/1 (1879?)

Wm. D.

In case the Government should by possibility unprovent take the lithograph, could it compel inventors of important lithographic apparatus to sell their inventions to it or could they issue such inventions against the protest of the inventor would not the forcible taking, use of an invention by the Government for which it has given a contract & pledged its honor that

he should enjoy the sole
monopoly for 17 years,
or to make my meaning
clearer; ~~Say~~ ~~they Court~~
though it ~~prohibit~~ dont
Enter into a Contract
with ~~another party~~ an opponent
whereby the first one gives
to the latter the exclusive
use of a certain thing
for 17 years, does not
the use of the thing
by the former break the
Contract, ~~if it does~~ if one of the
~~out~~ The ~~second party~~ parties
Could only recover damages
while the first party
Could still continue
to use

as the Constitution of the US authorizes the issue of patents, would not the courts declare that the forcible use of an invention by the Govt to be unconstitutional. If they could not use such invention it might be a good thing for the W.U. Co to organize a patents Co. ~~and~~ independent of the WU the WU owning its stock. The second Co to own & control all important telgh app in the coming future

DOCUMENT FILE - 1875

D-75-001	Edison, T.A. - General
D-75-002	Edison, T.A. - Bills and Receipts
D-75-003	Edison, T.A. - Checks (not selected)
D-75-004	Electric Pen
D-75-005	Employment
D-75-006	Etheric Force
D-75-007	Gilliland & Co.
D-75-008	Patents
D-75-009	Railroad - Port Huron and Gratiot Railway Company
D-75-010	Telegraph - General
D-75-011	Telegraph - Atlantic & Pacific Telegraph Co.
D-75-012	Telegraph - Automatic Telegraph Company
D-75-013	Telegraph - Domestic Telegraph Co.
D-75-014	Telegraph - Edison & Murray - General
D-75-015	Telegraph - Edison & Murray - Bills and Receipts
D-75-016	Telegraph - Edison & Murray - Bills of Lading (not selected)
D-75-017	Telegraph - Edison & Murray - Insurance
D-75-018	Telegraph - Edison & Murray - Orders
D-75-019	Telegraph - Litigation
D-75-020	Telegraph - Western Union Telegraph Company

Documents for 1875 can also be found in Scrapbook, Cat. 30096, Miscellaneous Scrapbook Series.

1875. Edison, T.A. - General (D-75-001)

Correspondence, some by Edison; essay, promissory notes, accounts, list.

Not selected: correspondence unrelated to Edison.

OFFICE OF

E. T. Gilliland & Co.

Manufacturers and Dealers in

Electrical and Telegraph Machinery,

S. W. COR. FIFTH AND ELM STS.

AGENTS FOR GEO. H. BLISS & CO.

Cincinnati, Feby 22 1875.

Friend Edison

I send you herewith a Cincinnati Enquirer Containing an article on Dr. Nicholson & his Quadruplex — I have made the most of his apparatus up to the time the Mill Tel Co took hold of him. I am perfectly familiar with the history of his invention as I showed him how to work his two line alphabet over one wire & made him the polarized relays which led to this invention he now claims as his — If there is any information you desire, I would be pleased to furnish it —

We are working ten (10) men & doing a very fair business

OFFICE OF

E. T. Gilliland & Co.

Manufacturers and Dealers in

Electrical and Telegraph Machinery,

S. W. COR. FIFTH AND ELM STS.

AGENTS FOR GEO. H. BLISS & CO.

(2)

Cincinnati, 1875.

principally however out side of Telegraph & Electrical apparatus

I left the Mill Co's Employ about 2½ years ago since which time have devoted entire time to our business — My Brother is my partner — My father through the Ortonic, is connected it the Mill Tel Co. Hoping to hear from you I remain as ever

Yours Very Truly
Ed T. Gilliland

1875

To the editor of the Scientific American

I have just discovered a very curious phenomenon and one which I am unable to offer any explanation as to its cause. It is this:—
If a number of plates of tin be placed side by side with an equal number of plates of Vulcanite in such a manner that the whole will form a large smooth plate and upon this is laid a strip of paper moistened with a solution of pyrogallic acid and Chloride of sodium, those portions of the paper over the tin will upon passing ~~a blunt sm~~ the end of a smooth platina from one end of the strip to the other, feel rough and offer considerable friction to the passage of the wire while the paper over the Vulcanite will feel smooth & offer much less

friction. This phenomenon cannot be attributed to electric action as in my "motorgraph" ~~for~~ none is possible under the conditions of the Experiment.

Newark N.J. June, 1875

Acct. Ent

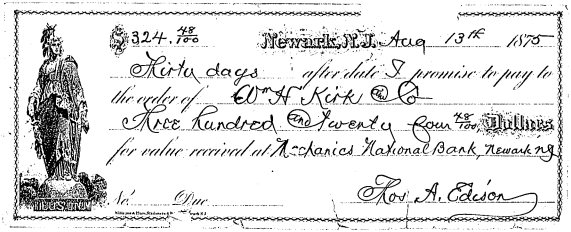
STATEMENT.

Newark, N. J., ... 187

To EDISON & MURRAY,
MANUFACTURERS OF
Telegraph Instruments,
10 & 12 Ward Street.

Adams. Time on Experimenting — to July 1st 1875 —

Edison		
Cable	440	$ 32 00
Press	100	80 00
Batteries	20	16 00
Cell [illegible]	60	48 00
Allan [illegible] Pacific	320	256 00
	940	432 00
Dad		
Shop work	230	138 00
Press	50	30 00
Cable	20	12 00
	300	$180 00



Pennsylvania Railroad Company.

Office of Master Mechanic, Meadows Shops.

Louis A. Bosdevoux,
Master Mechanic.

Meadows, N. J. Aug 24 1870

Mr. Thos. A. Edison.

Dear Sir:

Enclosed please find note from Mr Bennett, which came to me entirely unsolicited.

You can send to me by giving to Baggage Master at Market St Depot Penna RR Ferries, addressing as below.

Any information will be ~~greatfully~~ thankfully rec'd and kindly remembered if it reaches me by Friday (Mon) this week, as the book is now in press.

I remain

Respectfully Yours

J. McKnight Huntington.
Relief Opr. M. W. Office
Meadows N. J.

P.S.
Your advertisement is respectfully solicited ahead of PRR
1 Page $5.00 – 2 Pages $8 – 1/2 Page $3.00 – 1/4 Page $2.00
1/4 Page 2.00 – 1/8 Page $1, – Edition 500 copies throughout the U.S.
40 or more pages solid reading matter etc. Yours.

[ENCLOSURE]

Memorandum.

To Tom A. E.

From
L. G. Tillotson & Co.,
8 Dey Street, N. Y.

It has occurred to me that a page or two or more of practical hash (as I would call it) from your pen would be very good thing to put in here – What I mean is twenty or thirty short items containing suggestions, practical information, practical science etc, each in a few words but pithy. I have no interest in the book

[ENCLOSURE]

beyond a disposition to help another it
good thing. and this is, I think the
best way I can do so —

Yours
J. H. Barnwell
1/23/30

J. H. Barnwell
Care Dr. Dodd
Mrs
6 Dana St
Cambridge Mass

c/o Brewer

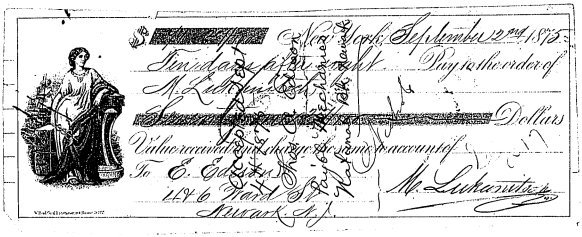
Pl

White Sulphur Springs.
Sept 8th 1875

Thos. A. Edison Esq.
New York N. Y.

Dear Sir

My Patent for improvement in type writing machines has been allowed, and I am looking for a party who will become interested & help to place the machine on the market, and I have thought that I might induce you to take hold of the matter as I believe you are prepared to do the work in case you should feel disposed to interest yourself in the machine. I believe you have a general idea of my plans as you seen a rough model at the Automatic Telegraph office in Roly. I have greatly improved on the machine since then & I can have use from one to a half dozen different alphabets without an extension of the keyboard which enables one to do work as complete as could be done by the press, which is of great importance since Mr. Clephane has advanced the idea of lithographing the work of type writers. (Pardon this over trespass, but we can talk about that & I can do business) you feel disposed to help me in the matter I can be before you working & explain fully the workings of the first

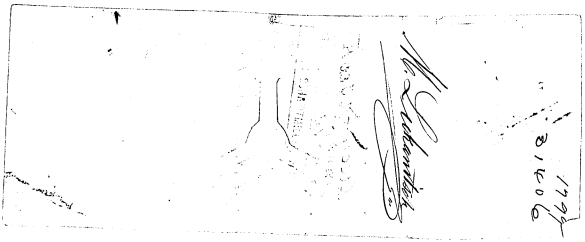


I have thought that as you have been at some expence with writers that you might feel inclined to have anything further to do with them and that probably a proposition something like the following might meet with your view say for one to pay you a certain amount of money & give you an interest in the machine, wish to have a Cambler working larger frill at your shop. I mean the interest to be in proportion to the amount paid you in money, as doubtless I would have to interest a third party. If a proposition like the one mentioned would meet your views I should prefer it to letting a large concern at Pittsburg to stand at some models shop where the profit of the machine is in the amount of time he consumes.

Should you still be interested in taple writers I would be pleased to hear from you at any time. I must begin to look for this information.

Remain Yours Truly
Chas. T. Moore

Chas T. Moore
Sept 8 1897



1797

Sept 10, 1895

578 FIFTH AVENUE.

Thos. A. Scherman Esq.

Dear Sir

Inclosed

Your a/c of the sale of the 2 Sinking Fund Bonds with check for the balance after deducting my advances

Yours

Jay Gould

[ENCLOSURE]

DR. Jay Gould Esq c/o T. A. Edison Esq In account current with C. J. OSBORN & CO., Int. @ CR.

DATE 1875		AMOUNT	DAYS	INTEREST	DATE 1875			AMOUNT	DAYS	INTEREST
May 4	To Cash	150000.	129	37.62	Sep 9	By Coupons on 2 Bonds		8000		
Sep 8	" "	30000.	2	.10	" 10	" 2 N.P.S.F. Bonds 93 3/4	1875			
" 10	" Interest to date	37.72			" "	" Commissions	250	187250		
" "	Credit Balance	114.78			" "	" Balance Int.				37.72
		195250		37.72				195250		37.72
					Sep 10	By Balance		114.78		

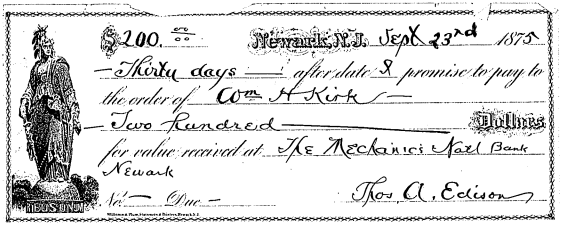
Batch
or
Adams

Enclosed find two checks - please deposit in bank today sure.
I enclose check for Jim $10.
and one for Gilliland $32 to pay his help tomorrow.

I lent Gilliland 2 last night + borrowed $5 leaving me debtor to him $3

[redacted]

Elkton
Sep 22
1875



$200.00 Newark, N.J. Sept 23rd 1875

Thirty days after date I promise to pay to the order of Wm H Kirk

Two Hundred Dollars

for value received at The Mechanics Nat'l Bank Newark

No. — Due —

Thos. A. Edison

HEBS INK

Wilcox & Pope Harrison & Stanton Press N.Y.

Office of CHAS. H. GRAEF,

Manufacturers' Agent and Commission Merchant in

HARD RUBBER STOCK, ETC.

77 CHAMBERS STREET.

P. O. Box. 1440.

New York, Oct. 21 1875

Mr. Thos. A. Edison

Newark

Dear Sir,

Your telegram of to day is rec'd, but I do not understand therefrom where the goods, for order, for Gilliland & Co are to be sent to. The goods are all ready to place in form at once if they are to go to Newark, — 41 Day st. but to Cincinnati the amount of bill is $26.75.

Awaiting your reply I remain

Yours truly

C. H. Graef

T. A. EDISON, 10 & 12 WARD ST., NEWARK, N. J.

Phenomenon Views & Loaned Paintings

No 15 Punishment Carnal Sinners
204 The Crucifixion
" 2 The mathers grave
2 The Vision (Dissolving)
2 Mrcys Dream
213 The ascension
48 Destruction of the Village by the flame
102 Angel Distraying the East
No 1 Mrcys Dream (~~dissolving~~)
No 1 Sleeping City
No 1 Railroad Bridge by moonlight
No 40 Gladiator
209 34th Speaking Eyes
431 Sinners who have seduced women
26-6 The Deluge
No 1 Rock of Ages
No 3 Adam & Eve (Driven from Eden)
154 The Birth of Christ
122 Isiah ~~[illegible]~~ Babylon destroyed in wrath
44 Home from the West
No 3 Rock of ages

Stereopticon Views

39 — arrival at the third
23 Prodigal & vicious Rolling great wights
24 Jacob wrestling with the angel
44 Flatters, immured in Sick (Dove)
74 Last Round 9th Circle (Dove)
No 1 mothers grave
No 1 Gods greatest light
35 Death of first born of Egypt
2 angel of peace
78 angel
Roman & the tiger
2 Grek slave X 11
10 Tourral Bible
158 Jesus among the lawless men
No 2 Simply to the Cross I cling
42 Comic No 42
155 Magic men of the East guided by the star
45 Destruction of the walls Jericho
45 — 22 Highlands Dream
51 Angel appears Befor Joshua
28 — Encounter Hellish furies (Dove)
No 1 Snow Storm.
No 10 man with jim jams Smoke (Comic)
No 88 Trained dog (Comic)
No 3 Female (change Bonnet) Comic
X 11 3 Graces
52 Rueben Comic
No 12 movable Bed Comic
No 65 Gymnast (Bad order) Comic
46 Long Sprint Comic
15 monkey Comic
7 Shaving Comic
13 Family Jars Comic
17 Polite old man Comic

Newark

[redacted]

54 Storm approaching
35 - Violin plague. Comic
4 L x 15 Minstrels (movable)
14 Aegyptarium (4)
No 9 Smugglers' Cave
4.11 Violin (movable)
[redacted] Moses Crossing Red Sea
11 Pyramids of Egypt
4 Tailor Comic
6.L.8. Railroad Train (movable)

64 in all

Catalogue of Throughout Virus

Oct 22 1875

9 Ex. Place
Jersey City N.J.
Oct 26/95

Friend Edison,

I am, or rather will be at the latter part of the week, completely prostrated financially.

If you can manage to send me a check, no matter how small (or large) dated 28th or 29th I will be indeed grateful.

Very Truly
F. M. Fitch
for
Estate L. B.

Answ. of Feb/94. 43

Washington D.C. Dec 3rd 1895

T. A. Edison Esq

Sir

If you have 4 or 5 of those small French Bells to spare I wish you would let me have them, and also two of the glass cups empty.

You seemed to have a lot of them and said you had discarded them.

If there's any charge let me know & I'll settle it.

You may direct them to me at "424, 3rd St N.W. Washington, D.C."

How's the "Ether's Force"?

Very Truly &c
L. F. Wilber

1881

Institute - Monday Evening.

My Dear Mr. Edison:—

Will you be kind enough to send me by bearer if you have it, the most powerful magnet in your possession. I want to use it in the attempt to extract a needle from my wife's foot, from which she is suffering very much.

I will return it in the morning.

Yours truly

A. M. Hallock

per R.

5

Holbrook
Dec 4

Recd Dec 10. 75.

Bloomfield N.J.

Dec. 10/75.

T. A. Edison.

My dear Sir — When I was in this City I found I had going over the Contract.

I think that you had better bring in a Statement of expenditures and such machines as you have ready, also drawings, etc, and any thing that shows work done and progress made.

The Papers are so full of "New force" that I want you to show that it has not taken up too much of your time. Asking to be

at 41 Clay, next off the time
to see you before you go
for Kinney, but if I am
not when you call send
Geo. Dohn to Room 14,
No. 81 Liberty St. for me.
The plan of
putting on agents for Mfg.
cash to have the full
comm. is going to work.
write. If the Zoeuamy
Pens are not done till
last of next week as the
workmen said this A.M.
we shall run out again.
Yours truly
O. Mills

Dec. 11th 1875

T. A. Edison Esq.

Dear Sir

Your widely spread reputation as an indefatigable scientist and practical Electrician induces me to submit the accompanying circular for your earnest perusal. From conversations with my friend Mr Fred. E. Barrellier, I am led to believe that the great interest which you take in the subject renders any apology for thus intruding upon your time uncalled for. If and you desire to see the little battery referred to, or a specimen of this new negative, it would afford me great pleasure to call upon you at any time

Respectfully

W Byrne

Geo H. B.

Dear Sam

~~Mr Edison~~ inform us that you have a lot of machinery & tool running from your shop for sale at reduced rates, Would you be so kind as to inform us if the machinery is in running order, with shafting & pulleys also as to the power of the Engine, and if not to quick trouble we should like very much to have an interview with you lowest price for the whole out fit. If your terms are reasonable our senior partner will visit Chicago and look the matter over; Our intention is to open a ~~Co~~ branch there providing the ~~capi~~ capital required is not too great. ~~We refer you to Mr Edison or Pantes or to you or slaughter~~ We should also like to purchase your stock and trade of at a reasonable price as Mr Edison informs us that you desire to engage in other pursuits, We refer you to. Mr Edison J. J. Murray or W H Pantes or to our slaughter here!

Copy of
letter to Allis's Chicago
Not signed
Not dated
About purchasing pies
Shop material

R. E. Blackburn

(1875) Tel-Proc.

Dear Edison

I've taken not a
violent nausea or
diarrhea & shall
come on Monday
Spend Sat Sunday

4:30 PM

J.R.

Celluloid: invented by J.W. & I.S. Hyatt of Newark N.J. 1869

W 275 (Celluloid 1875)

We have always held to the opinion expressed by your pl. Mr Johnson that we were not infringing upon what Mr Spill has an exclusive right to use. We rely upon the fact that Alexander Parkes (1855) used Camphor combined with other liquid solvents, both volatile & non volatile & that his processes are now public property. Mr Spill (D. Spill 1865) has merely used a non volatile solvent, made by combining Camphor with Castor oil, which I should think was one of Parkes used volatile liquids in addition to what Mr Spill uses. Confining Mr Spill's invention to the discovery that these liquid volatile solvents could be dispensed with, it is true that Mr Spill claims that he alone is entitled to the use of Camphor dissolved in any hydro-carbon as a solvent of gun Cotton or Pyroxylin Cotton, but he is clearly anticipated in that by Parkes.

The advantages of our process over any process where active liquid solvents are used shall endeavour briefly to state. It will be better to first mention the difficulties encountered in the old methods. Cotton Pyroxylin is made soluble washed and freed from water as far as possible by pressing & by Centrifugal machinery. It has then the dense

C.3

which is a very dangerous operation, and which we never set undertaken in large quantities, (known at Spill Valleys sometimes use it where a little moisture is present, but which does not give as good results) the liquid solvent being prepared the soluble fibre is ~~prepared~~ added, no more fibre can be added than will make it of the consistency of paste for any additional fibre cannot be penetrated by the contained solvent soluble fibre. Practically it is found best to add rather more fibre than will be dissolved than to separate it from the mass by straining. There will also remain a quantity of insoluble fibre in the mass (Jute or fibre that has not been sufficiently exposed to the acids) which is subsidiary with the excess of fibre. The mass is then is manipulated down to the proper consistency. All of this manipulation injures the product first by boiling & discoloring it by the compressure to heat & secondly by the unequal corporation of the different solvents which are first combined in the proper proportions, so that towards the end of the corporation process the material is manipulated a minute after its working properties are greatly impaired thus making it brittle. A comparison with Celluloid as to color & strength will make the foregoing very

[2]

apparent. These difficulties induce them to thicken & solidify the mass by adding various adulterations so that Yoxide is at least half composed of earthy or other inferior matter. Our processes enable us to avoid all these. Commencing with the soluble fibre (assuming that this form of our process is substantially the same that is well known in England) we reduce it to fine pulp, the water is then extracted either by pressure or by a centrifugal machine, until about fifty per cent remains in the pulp, in this condition the camphor (about fifty per cent) & coloring matter is added, & is then thoroughly worked & mixed in a Bogardus Mill. It may be handled with entire safety while damp, as it would not burn if a lighted match were thrown into it. It would be impossible to mix the camphor with perfectly dry pulp as sufficient solvent action would take place if permit to remaining in a pulverized form. We must have the solvent so thoroughly intermingled that every particle of pulp is in contact with a particle of camphor. This is absolutely essential where no fluid solvent is used as camphor is not a powerful fluid unless heat to be absorbed through large particles of pulp or through several small particles

the next process is to free the pulp from the remaining moisture, this is done by pressing it in cakes about 18 & 22 inches square & from ½ to ¾ inch in thickness, these are piled between sheets of blotting or unsized paper, about half an inch of paper between each & placed in a large hydraulic press & allowed to remain several hours, when the damp sheets are replaced by dry ones; about three changes are necessary. These blotters are ~~[illegible]~~ dried in a heated room; the advantages of this are that no camphor is wasted by evaporation and none is absorbed; and what is still more important, no acid is absorbed from the atmosphere by the pulp as might be the case if dried in the air. As the water is absorbed the pulp gradually becomes semi-dissolved by the camphor, or rather by the time the water is removed the cake becomes compacted & cemented to a considerable hardness without the appliance of heat. If the fluid solvent is to be used a larger proportion of camphor is preferred & the next process is to subject it to heat & pressure. Some of the finest pieces are now made more without any alcohol or other liquid solvent. It is common, depending it roll it into sheets or at work it on the stuffing machine, so it remains thus

we break up the cakes into small pieces & add about 10 to 20 per cent of alcohol, allowing it to stand several hours in a closed box, till the alcohol has became absorbed, this is then masticated in the ordinary rolls such as are used for cotton the rolls being kept at about 150°. in heat. A small percentage of the fibre is generally insoluble but as it is all reduced to a fine pulp it is not perceptible in the mass and does not require straining. When sufficiently masticated it is removed from the rolls in sheets rolled up lightly on a ~~cylinder~~ cylindrical form similar for charging the stuffing machine. The stuffing machine puts it into boxes, tubes, in lozenges &c into capsules &c. The object of this action is to liberate impurities the difference between cellulose & lignide of tissues and attempt to describe the details of the manufacture of cellulose into articles of commerce.

1875. Edison, T.A. - Bills and Receipts (D-75-002)

Bills, receipts.

See also: "Gilliland & Co." (D-75-007).

All selected.

BOOKS IMPORTED TO ORDER FROM EUROPE, AND FOR PUBLIC INSTITUTIONS, FREE OF DUTY.

NEW YORK, Jan 5 1882

M. T. A. Edison 10 & 12 Ward St. Newark N.J.

Bought of D. VAN NOSTRAND,

Bookseller, Publisher and Importer,

OF SCIENTIFIC, MINING, ENGINEERING, MILITARY AND NAVAL BOOKS,

23 Murray & 27 Warren Streets,

TERMS CASH. UP STAIRS.

✓	1	Watts Dictyo & Wol's russia	70.00
✓	1	Dela Rue's Electricity	30.00
✓	1	Thomson's Acoustics	9.00
✓	1	Wol's Tel Journal	5.00
✓	1	Pynchons Physics	3.00
✓	1	De Castro's Electricity	10.00
✓	1	Roscoe's Spec Analysis	9.00
✓	1	Sallerons Catalogue	4.00
✓	1	Sharples Tables	2.00
✓	1	Rosleurs Galvanoplastic	6.00
✓	1	Mitchells assaying	10.00
		To Sub to Tel Journal 1 yr from Dec 1 1881	4.50
			162.50

Rec'd Payt
D. Van Nostrand
Per

59 BEEKMAN STREET.

New York, Jan 7 1882

Messrs. Edison & Murray

Bought of ASHER & ADAMS,

PUBLISHERS.

One Atlas & Gazetteer @ 32.10

Rec'd Payt

Asher & Adams
By G. L. Asher

Newark N.J. January 8th 1875

Mr. Edison

Bought of S. Strauss

1 set Sogers at $7.00

Recd Payment

S. Strauss

202 Broadway New York
Jan 25th 75

T. A. Edison

To R. O. Lindsay Dr.

To 3 Cutts, sleigh + Horse Stitcher	10.00
" Cartoons	15.00
" 4 Cuts, Horse-pile + underhand cut	34.00
	59.00
Recd Cash	30.00
	29.00

Recd Payment

R. O. Lindsay

Newark N.J. March 10th 75

Mr T. Edison

to McCompleto Dr

to balance on a sleigh ride $3.00

Rec. Pay McCompleto
By Edward McCompleto

Jesus Haines
Hence 1 1875

Mr Edison to
Thos Fitzpatrick Dr
To milk as follows
Feb 4 7 14 21 27 28 $2.00
Mar 4 11 18 25
Bill 5
$22.00
Cash on bill Rec 2.00
$20.00

Rec payment
in full sept the Kate

Centre Market Tea Warehouse, 736 Broad St.

Newark, N. J. June 9 1875

Mr Th. Edison

Bought of **S. SCHEUER,**

WHOLESALE AND RETAIL DEALER IN

TEAS, COFFEES, SUGARS and SPICES,

Butter, Flour, Wines and Liquors,

No. 736 BROAD ST., cor. Commerce.

Terms Cash.

May	17	To molas	24 19	
	26		2 32	
June	29		21 23	
	8		3 29	
			$ 50	83
	7	Bins	3	18
		Total	$54	01
	12	Bin	1	79
			$55	80
June 10/75		Paid by check Th Edison	7 days allow	

TERMS:

NEWARK, N. J., July 1 1875

Mr Edison

To CHRISTIAN VOLZ,

Livery & Boarding Stable, Undertaker, &c.,

196, 198 & 200 HALSEY STREET.

June	17	To one Horse & Rakaway	$3.00		
July	8	Horse, buggy	4		
	17	Horse Rakaway	5		
		Rec payment			12 00
		Th Edison			

a Hermoth
1875

(1875)

July 12.

12	To 2 meals ale	30
13	To three quarts & pint ale	41
14	To one quart ale	15
20	Three meals ale	45
24	To 2 meals ale	30
24	To 2 meals ale	30.
Aug	To one quart & pint ale	23
3.	Matches by Alfred	40
5.	To three loaves bread	27
..	To ale	30
11	To 1/2 Tea	35
11	Bread	18
14	To Oil 1/2 gallon	13.
19	To three bottles of Lager	30
sept	Sept. 28.	
28	Two dozen Matches	.60
12	Oil 1 galon	40
14	Oil 1 galon.	40
14	To Two galons Oil	8.0 $6.07

16 Oil 6 galon		40
17 Oil 2 galon		80
18 Oil two Gallons		40
19 Oil / galon		40
20 October / galon Oil		40
21 Two Potatoes / Bushel	$1.	40
Two Eggs		27
Two Cornstarch		15
21 Two 3 galons Oil	$1.	20
21 Two Butter / lb 1/2		37
" Lard / lb 1/2		21
" Baking Powder		15
" Coffee / lb		36
" One 1/4 Tea		20
Matches		05
23 Two 6 lbs flour		30
23 Two Oil / galon		40
23 Two Oil / galon		40
24 Two / lb Butter		35
24 Two / galon Oil		40
25 12 Boxes Matches		60
25 Bread 2 Loaves		16
		$9.37

25 Two Oil / galon	40
25 Two Cheese	18
" Smoked Beef / lb	25
Oct 26. Two / Ham 8 lbs / 17 cts lb.	1.36
26 Two 2 loaves Bread	18
27 Two Oil / galon for Stove	40
28 Two 2 galons Oil	80
28 Two 2 loaves Bread	18
30 Two 2 loaves Bread	18
31 Two 2 loaves Bread	18
31 Two 2 loaves Bread	18
Nov 1 Two Cheese / lb	20
= Smoked Beef / lb	25
Nov 2 Two 2 Scrub brushes	36
" Two loaves Bread	18
Two 2 Bottles Larger	20
	$5.31
Credit over Paid on Check	2.50
~~Oct 7th~~ November the 3	
the Book to date	$18.25.

FOLIO, 6.15 PREMISES, 87 So Orange STREET,

Mrs T. A. Edison

To NEWARK GAS LIGHT CO., Dr.

OFFICE NO. 8 BANK STREET, NEWARK, N. J.

To GAS consumed from July 1 to Aug 1 1875

Meter at this date, 71.00

Less do. at last settlement, 64.00

Consumption, 7.00 at $3.25 per thousand feet, $ 22.8

Less 2½ per cent. discount, if paid in five days after presentation, 1.35

Received Payment, John B. Bach

For the Company, John B. Bach

Bill Presented,

Last Discount Day

Aug. 4

July 4 1875

Rec'd of T A Edison

Check for fifty dollars

on account

Edmund Thorn

Monthly Statement.

Newark, N. J. Aug 28 1875

Mr. Thos. A. Edison

To SIMON SCHEUER, Dr.

736 Broad Street.

Terms Net Cash. CORNER COMMERCE.

To nuts & wire, 4.92

Aug 21 To nuts, 15.33

$3.25

Rec'd Payt.

S. Scheuer

New-York, September 7th 1875.

Mr. Thos. A. Edison Menlo Pk. N.J.

To ROHRBECK & GOEBELER,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C., &C.

No. 4 MURRAY ST., near Broadway.

C.O.D. per Express.

2 Bottles	25	1	oz	Protochloride Iron pure	65.	$ —	90
1 "	35	7	oz	Nitric Acid fuming	2.50	"	3 15
1 "	07	3	oz	Acetate Mercury	1.90	"	1 92
1 "	25	1/2	oz	Acetic Acid Glacial	1.75	"	3 —
4 "	40	1	oz	Chromic Acid Cryst.	2. —	"	2 40
1 "	35	1/2	oz	Sulphuric Acid Mod. fuming	4.50	"	4 85
1 "	20	1	oz	Sulphite Soda pure	— 75	"	1 05
1 "	15	1/2	oz	Tartrate Soda Cryst	1. —	"	1 15
2 "	20	2	oz	Nitrate Uranium	2. —	"	2 20
				Packing etc		"	1 25
							$ 30. 92.

Recd. Pay
L. L. Martin

Neff

Newark N.J. Sept 15

Mr. Thomas Edison

to Horace Ely

Dr. W. B. Compton

$5.00

Rec'd payment

W. B. Compton

Mr. Compton

$5.00

Newark, N.J. Oct 6 1875

Rec'd from Thos A. Edison

Twenty five Dollars ($25) on acc

A. Freyenberger

The Mutual Life Insurance Co., of New York.

Assets over Seventy-two Millions.

F. S. WEYSTON, President.

No. 749 Broad Street.

W. W. BYINGTON, Genl Agent.

Newark, N.J. 1878

Mr Thos A. Edison

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER,

GILDER, AND LETTERER ON GLASS.

Sep.	10	To Painting Gilding Frame		2.25
"	"	" " 10 Other frames		.20
"	2	" " 1 Cut Frame		.25
"	25	" " 1 " "		.25
"	29	" " 9 " "		2.25
Oct	6	" " 4 " "		2.25
"	9	" " 8 Gomed Frames		.20
			$	7.70

Recd Payment

Geo Price

011

13

This is the only letter I have received from a friend since I am at this place, I shall be happy to hear from you and hope you will accommodate me in paying the [illegible]				[illegible]

Leyenberger
Insurance

[illegible]
[illegible]

George Smith
[illegible]

Detroit, Oct 18 1875

Mr Thos. A. Edison

To DR. N. F. BROWN,

N. F. BROWN, M. D.
Office Hours 8 A. M. to 8 P. M.

Office and Residence, 760 Fort Street West.

To Professional Services	$35 00

Paid
N. F. Brown M.D.

Newark N J Oct 22 75

Mr T. A. Edelison.

to William Compton Dr.

Oct 13 to 1 to 2 at running machinery $1 00
for Mrs Edelison

Rec'd William Compton
By J. S. Conklin

Received, Jersey City N. J.
Oct 26 1875 from T. A. Edison
Sixty and two dollars on account
$60 00/100

James F. Bradley
for
F. R. Fitch

Newark, N. J. Oct 30th 1876 -

Mr. Thos. A. Edison

Bought of WILLIAM HEWITT & SON,

Successors to THEODORE SANDERS,

DEALERS IN COAL & WOOD,

No. 153 Bergen Street.

		No. 3	
Aug 15 1 Ton	Lehigh Nut Coal	14 00	8 31 0 0
Oct 20 2 "	" Nut "		

Received payment
Wm Hewitt Son

New York, November 1st 1875

Mr. T. A. Edison

Bought of FRASSE & CO.,

(SUCCESSORS TO WM. H. FRASSE.)

IMPORTERS AND MANUFACTURERS OF

FINE MECHANICS TOOLS FOR MACHINISTS, JEWELERS, ENGRAVERS, WATCHMAKERS, &c. &c.

STUBS' TOOLS, FILES AND STEEL WIRE.

BARRE, BIRGER, } TERMS net CASH. P. O. Box 4027. **62 CHATHAM STREET.**

6 drills twist # 21 @ $7.95 per doz	98	
6 drills twist # 20 @ 1.35 per doz	68	
6 drills twist # 50 @ 1.15 per doz	58	
3 pieces Stubs steel # 40	18	
~~5/8 lb brass wire~~		
5/8 lb brass wire @ 33¢	2 34	2 34
		21
		2 55

Paid Frasse & Co
per JB F. Frasse

MANUFACTURER
OF
Office Furniture.

A FINE ASSORTMENT OF
CYLINDER DESKS
CONSTANTLY ON HAND.

ANY ARTICLE IN THE LINE
Manufactured to Order.

Terms, Cash on Delivery.

New York, Nov 1st 1875

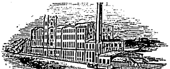
Mr. J. A. Eddison, (Eddison)
41 Dey St

To Francis D. Clark, Dr.
~~No. 254 BROADWAY, Bet. Murray and Warren Sts.~~
~~No. 76 CEDAR ST., Bet. Broadway and Nassau St.~~
16 CORTLANDT ST.

1	Mal 4/6 Desk	$ 20.00
1	" Sft Table	15.00
1	" New Em Chair	5.00
2	Sm Mal Arm Rocker Chairs	3.50
1	Com Pine Table	3.50
1	Mal CS Lin Renn Stand	3.75
1	" Fabes Desk & Table	5.00
		$ 55.75
	~~On Account~~	~~$ [illegible]~~

Received Payment
FRANCIS D. CLARK.

STATEMENT.
Paid 336
New York, Nov 1 1875
M. J. A. Eddison
Yours &c
Address Letters, To HAGERTY BROS. & CO., Dr.
P. O. Box 1744. 8 & 10 Platt Street.
Terms Cash, with Exchange on New York.
Ch 46 Dr. Merchandise as per bill attached. No.
$103
Received payment
Hagerty Bros & Co
In the absence of advice from you before the 15th inst. we shall draw on you for the amount.
Nov 13 1875



New York, Nov. 5 1875

Mr. Edison

Bought of THE INDIA RUBBER COMB CO.,

SOLE MANUFACTURERS

of Goodyears' India Rubber and Gutta Percha Goods.

COMBS. SYRINGES. DENTAL GUM. RULERS. PHOTOGRAPHIC GOODS.
BRUSHES. PESSARIES. THIMBLES. INKSTANDS. TELEGRAPHIC GOODS
NAPKIN RINGS. DRUGGIST'S SCOOPS. OILERS. WHIP SOCKETS. MUSTARD SPOONS.
TUMBLERS. FUNNELS. GIMLETS. WHIP HANDLES. DICE-CUPS.
COVERED FLASKS. CORKSCREWS. CASTOR-ROLLS. MARTINGALE RINGS. STAYBONE

And a great variety of other Goods suited to the DRUG, HARDWARE and FANCY GOODS trade.

Terms, CASH.
In New York Current Funds.

Nos. 9, 11 & 13 MERCER STREET.

	5/8 lb Sheet as sple.	1.—		63
1	1/8 " Rod 1/4"	1.45	1	40 | 203

Paid
I R Comb Co

Terms Cash.

NEWARK, N. J. Nov 5th 1875

Mr T. A. Edison

Bought of C. HANNON & SON,

CONTRACTORS,

Grading, Paving, Curbing, Flagging and Sewering of all kinds done in the most substantial manner, and Dealers in

ALL KINDS OF COAL.

A SUPERIOR STOCK OF BLUE STONE AND COAL ALWAYS ON HAND,

FLAGGING A SPECIALTY. Special attention given to PRIVATE WORK. Orders for COAL PROMPTLY FILLED.

CORNELIUS HANNON, CORNELIUS HANNON, Jr.

Office and Yard on Dock 396 OGDEN ST.

Date.	Furnace Lump.	Steamer Lump.	Grate.	Egg.	Stove.	Chest.	Pea.	Pea and Dust.		
Oct [illegible]					1/2	Ce	7		2	25
					1/2				1	90
Nov 4									7	25
5					1 Receipt			1	7	35
									42	35

C. Hannon & Son

MAGAZINES.
PAMPHLETS, MUSIC, &c.,
BOUND IN ANY STYLE.
BLANK BOOKS,
CHECK BOOKS, &c.
MADE TO ORDER.

New York, Nov 11th 1875

Mr Thos A. Edison

To W. B. BROCKETT, Dr.

STATIONER AND PRINTER,

TERMS CASH. No. 45 Beekman Street.

1	Pt Writing Fluid		50
1	Bottle 4 oz Carmine Ink		42
3	Gross Rubber Rings Assorted sizes		1 00
1	Pair Scissors		75
1	Gross Colorado Pens		75
1	Paper Weight		60
1	Sewing Inks		1 25
1	Quart Roller 100 lb		1 50
3	Box Strips "		30
1	Box Vinal leads		15
100	No 10 Manilla Envelope		50
1/2 M	7050-6 " white		2 00
	Received on		7 70

Mr Brockett
Rec'd payment

NICKEL PLATING OF EVERY DESCRIPTION.

NEWARK, N. J. Nov. 10 1875

Mr T. Edison

To W. T. SMITH, Dr.

TERMS NO. 42 MECHANIC STREET.

To Plating Rocker & Telegraph	2 00	
" " "	1 00	
	3 00	5 00

OK B

		Brought Forward	$9.72
250	pk	Shots Assp	
250	"	" Letter ruled to pattern	4.50
250	"	" Note	
1	Bottle (1 oz)	Mucilage	25
1	"	" with Brush	35
1	"	Glue " "	25
pk	Box	Fabers Pencils	50
pk	"	" Red & Blue	15
pk	Box	Pen Holders	25
1	Letter	File	40
1		Waste Basket	1.00
10	Quires	Manilla	3.00
1	Gross	Colorado Pens No 1	75
3	Balls	Twine	1.00
pk	Gal	Mucilage Ink	15
		Mucilage Pots & Brushes	25
			23.62

Rec'd Payment Wm C. Miller
W. H. Brechott

W. H. Brechott
Stationer
Dealer in
Paper
Blank Books
Pens
Ink
Pencils
Etc.

Wm C. Miller
Pd 23.62

Mr. _____

New York, Nov. 14 1875

Bought of **LRASSE & CO.,**

(SUCCESSORS TO W. L. STURGES,)
IMPORTERS AND MANUFACTURERS OF
FINE CHANTS TOOLS FOR MACHINISTS, JEWELERS, ENGRAVERS, WATCHMAKERS, &c. &c.
STUBS TOOLS, FILES AND STEEL WIRE.

A. S. STURGES
A. D. SHERRILL

TERMS 30 CASH. P. O. Box 4027. **62 CHATHAM STREET.**

Feb. Steels Mic & 3.5 mm

Dia

Lathe

Cash

STATEMENT.

NEW YORK, November 1875,

Mr. A. Edison, Newark, N. J.

To ROHRBECK & GOEBELER,

No. 4 MURRAY STREET,
Near Broadway.

TERMS,

Sept. 13	To Mdse		$ 3.50
" 23	" "		" 2.00
" 28	" "		" 12.00
			$ 19.50

Please pay the bill on int.

Received Payment Nov 6/75.

Rohrbeck & Goebeler
J. Bruegger

445

Newark, N. J., Nov 12 1875

Mr Edison

To LAWSHE & CO., Dr.

HEAVY AND LIGHT EXPRESS,

No. 270 Market Street.

Nov	12	To 3 Boxes 41 Deg H	4.50
	16	6 do " do	1.80 1.50
			1.35
		Rec'd Payment	

BOOKS IMPORTED TO ORDER FROM EUROPE, AND FOR PUBLIC INSTITUTIONS, FREE OF DUTY.

New York, Nov 15 1875

Mr T. A. Edison

Bought of D. VAN NOSTRAND,

Bookseller, Publisher and Importer,

OF SCIENTIFIC, MINING, ENGINEERING, MILITARY AND NAVAL BOOKS,

23 Murray & 27 Warren Streets,

Voucher ____
Cash ____
Folio ____

TERMS CASH. UP STAIRS.

	1	Daniels Nat Philo	6 50	X
	1	Ingersoll on Sound	2 00	X
Debit	1	Clayton Sound in Music	3 00	X
	1	Helmholtz Sp Lectures	2 00	X
	1	Vogels Light & Photo	2 00	X
	1	Jandalli Probe Physics	5 00	X
	1	Mills Tables	1 50	
	1	Lockyer Spectroscope	1 25	
May 11	1	Sprague Electricity	2 00	
				26 25

18 50

By Expns

OK B

18 50 for accounts

Assets over Seventy-two Millions.

The Mutual Life Insurance Co., of New York.

F. S. WINSTON, President.

W. W. BYINGTON, Gen'l Agent.

No. 749 Broad Street.

Newark, N. J. Nov 30th 1875

Received from Thos A. Edison Twenty Five Dollars being balance of premium Due on Surrendered policy.

W. W. Byington

COAL AND WOOD.

LEHIGH,
Locust Mountain,
PEACH ORCHARD,
CUMBERLAND,
LIVERPOOL, ORRELL AND CANNEL,
AND ALL OTHER KINDS OF
Anthracite and Bituminous
COAL.

FIRE BRICKS.

New York, 11 Mo. 23 1875.

T A Edison

Bought of **SAMUEL THOMPSON'S NEPHEW,**
No. 43 Gold Street, and Cor. Rivington and Suffolk Streets, N. Y.
Cor. Columbia Heights and Doughty Street, Brooklyn.

1/2 Am R.I. Egg Coal 4

Received Payment, for SAMUEL THOMPSON'S NEPHEW.

Terms Cash.

NEWARK, N. J., Nov 24 1875

Mr Thos A. Edison

To D. M. Meeker & Son, Dr.
MANUFACTURERS OF
MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,
87 to 95 Clay Street, Bet. Broad St. and Passaic River.

DAVID M. MEEKER.
S. J. MEEKER.

	To 50 lbs Comp Plates @ 45		$22.72
	A Cauche telegraph key		
	OK OB.		

JOSEPH MOORE & SONS.
635 & 637 CHINA STREET.

Philadelphia, Nov. 27th 1875

Received of Mr T. A. Edison

Twenty five ——— 100 Dollars,

on account.

Joseph Moore & Sons.

Address—Post Office Box, 3002.

Order,

New York, Nov. 30th 1875

Mr Thos A Edison 10 Nassau St

Bought of **FRANCIS HOBSON & SON,**

Manufacturers and Importers of "CHOICE" AND OTHER STEEL, CAST STEEL WIRE.

SHEFFIELD STEEL WAREHOUSE,

JOHN HOGAN, AGENT, 97 John Street.

Terms Cash.—Payable in New York Exchange, or Bankable Funds at par.

2 Bars Best C.S. 1 1/2 x 1/2	37	
1 " 1 1/4 x 1/2	9 1/2	
	46 1/2	20
Express 25¢		
Rec^d Payment		
Account.	for	Francis Hobson & Son
Per Francis		

Instant

Folio, 655 Promises, 89 & 90 Orange Street.

Mr T. A. Edison

Mr NEWARK GAS LIGHT CO., Dr.

To Gas consumed from SEPTEMBER 1 to DECEMBER 1, 1875.

Meter at this date, 14 3-10

Less do. at last settlement, 12 3-10

Consumption, 2 0 00 at $2.00 per thousand feet, 4 00

Less 5% per cent. discount, if paid in Five days after presentation,

Last Discount Day

Bill Presented,

Received Payment,

For the Company, Thomas Pellew

Paid 81

COFFIN, NOS. 6 PARK STREET, N.Y.

MONTHLY STATEMENT.

NEWARK, N.J Dec. 1st 1875

Mr. Thomas A. Edison

To A. F. CONERY, Dr.

WHOLESALE BRUSH MANUFACTURER

~~PAID WITHIN TWO DAYS OR~~ 922 BROAD ST.

~~TWO CENTS WILL BE DEDUCTED~~

Oct. 6	To Mdse	5.00

FOLIO 873 MONTHLY STATEMENT.

New York, Dec 1 1875

T. A. Edison

To L. G. Tillotson & Co. Dr.

P. O. Box, 1714. 8 DEY STREET.

Sept 28	To Mdse. per Bill rendered.	4 53

If you will please pay this upon end of month, will feel greatly obliged — L. G. T. & Co

Recd JAN 17 1876
L G Tillotson

MONTHLY STATEMENT.

Newark, N. J. Dec 1 1875

Mr Thos A. Edison

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

TERMS CASH. (Between Broad Street and Passaic River.)

Nov 11	90 Mdse	38	
24	" "	22 72	
			23 10

OK'D

STATEMENT.

Newark, N. J. Dec 1 1875

Mr. T. A. Edison.

To JACOB GAUCH & BRO., Dr.,

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

Nov 1	To Mdse, as per bill rendered.	18 50
		62
		19 20

☞ALL CLAIMS FOR DEFICIENCIES MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF GOODS.☜

Newark, N. J., Dec 3 1875

Mess. T. A. Elliot

Essex Brass & Silver Rolling Mill,
BLOOMFIELD, N. J.

BOUGHT

ALBERT HAYDEN,

Nos. 54 & 56 Mechanic Street,

PLATERS, ELECTRO-PLATERS & GRAIN SILVER,

Silver Plated Metal, German Silver, Gilding Metal, Polishing Materials, &c.

SHEET, ROLLED AND PLATERS' BRASS.

Terms: Net Cash.

	96 Brass Rods 30		1 22
	Accounts Sel		
	OK B		

New York, December 1st 1875.

Mr. J. C. Edwards, Newark, near Bowery.

Bought of Mr. KUKANITSCH,

Importer and Wholesale and Retail Dealer in

PROUTAT'S & GROBET'S

SUPERIOR FILES.

DEPOT, 195 WILLIAM STREET.

BEST French and Swiss Files AND OTHER TOOLS, For Machinists, Jewelers, Watch Makers, Engravers and others.

Terms Cash

Remessed to 33 Bowery

12	Dozen each	Rectangular	3	8	12	Cabinet	3.	98
6	"	"	11	"	20	Crochet	4.	12
1	"	"	"	"	8	"	1.	48
12	"	"	8	"	1	" 6 00	3.	48
12	"	"	10	"	1	" 9 00	11.	80
1	"	"	"	"		Part Smith 15	1.	65
						22 00 22		
12	" Each	Pillar	11	"	1	1. 3. Cut 3 00	11.	92
12	"	"	10	"	1	3 12	1.	38
12	"	Square	8	"		Smith 6 00	3.	08
1	"	"	"	"		Best 7 11 00	1.	14
1	"	"	11	"	1	" 1 75		62
12	" Each	Tool Round	5	"		Dead 1 00	1.	80
12	"	"	5	"	1	" 1 25	3.	62
12	"	"	7	"		Smith 32 00	1.	90
12	"	Equivalent	3½	"		3 Square 1 00		90
12	"	3 Square	3½	"	8	"	1	05
12	"	"	4	"		assorted 3 00	1.	50
12	"	"	14	"	1	3 00	1.	50
								38. 96

OK B

14½
1/5

Charley — 10
Dad — 2
House — 10
Hickey's Heels 3
Fuel 9

34
66 20
100 30
15
$125 30

66 30
66.30

10

176
02
9.81

Submitted

$5 98

Expense Acct

Gas	66.30
Oil	41.70
Repairs	15.00
Tires	10
Battery	10
Office	2
Misc	3
	158 30
	1 29

Payroll

Gas	18
Oil	48
Repairs	40
Tires	20
Battery	10
Office	10
Misc	10
	156
	1 23
	155

106

103

167
66
101

A COMPLETE STOCK OF
Champagne Wines,
Fine Sherries, Old Port,
CTARD & HENNESSEY BRANDIES.
SUPERIOR OLD
Bourbon & Rye Whiskies,
CHOICE BRANDS
IMPORTED SEGARS.

NEWARK, N. J., Dec 8 1875

Mr. Thos A. Edison

Bought of **ATWATER & CARTER,**

DEALERS IN

CHOICE FAMILY GROCERIES, FINE TEAS, WINES and LIQUORS,

SAMUEL ATWATER. FREDI. A. CARTER. | 331 TEA & COFFEE MARKET, No. 728 BROAD ST.

To Sundries as per Bill rend Dec 1/75	45	62
Recd Payment Atwater & Carter		

ALL ACCOUNTS SETTLED MONTHLY.

NEWARK, N. J., Dec 10th 1875

Mr Thos A Edison

Gilder & Letterer ON GLASS.

Terms Cash.

Mr George Price, Dr.

Plain and Ornamental Japanner.

323 MARKET STREET,

To Painting 22 Boxes & Bases @ 50¢	11	00
Accounts Left		

SAMUEL T. FOX. MONTHLY STATEMENT. WM. H. WALDSLEY.

Mr

New York,

Mr T A Edison

JAMES W. QUEEN & CO.

OPTICIANS,

601 Broadway.

To Bal.	112.00
Stop payment	
J W Queen & Co	
Check dated Jan 10th 1876	
Dec 14. 1875	

Dear Sir

ALL CLAIMS FOR DEFICIENCIES MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF GOODS.

Newark, N. J., Dec 17 1875

Mr T. A. Edison

Essex Brass & Silver Rolling Mill,
BLOOMFIELD, N. J.

BOUGHT

ALBERT HAYDEN,
Nos. 54 & 56 Mechanic Street,

PLATERS, ELECTRO-PLATERS & GRAIN SILVER,

Silver Plated Metal, German Silver, Gilding Metal, Polishing Materials, &c.

SHEET, ROLLED AND PLATERS' BRASS.

Terms: Net Cash.

8/1/76	Brass Rods @ 36		12.97
	A Cousin		

PHOENIX KINDLING WOOD WORKS

Newark, N. J. Dec 17 1875

Mr T. A. Edison

BOUGHT OF E. A. VROOM,

TERMS: C. O. D. 46 & 48 Lawrence Street.

5	Boxes Pine Wood,	$	8.00
13	" Hickory "		
	" Oak "		
	Bundles, "		
14	Cords Kindling 7 in Cuts,		3.50
			11.50

Received Payment,
E. A. Vroom
Per J. D. B.

Terms Cash.

NEWARK, N. J., Dec 21st 1875

Mr Thos. A. Edison

Mr D. M. Meeker & Son, Mr.

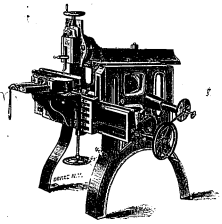
MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

	7 Soup Plates 45		3.15
	A Cousins		



Newark, N. J., Dec 27th 1875

Mr Edison

Bought of **A. J. DAVIS & BRO.**

ENGINEERS AND MACHINISTS,

MANUFACTURERS OF THE MOST IMPROVED MACHINERY,

Pile Driving Engines, Hat Machinery, Shaping Machines, Drain Pipe Machines, Shafting, Hangers and Pulleys.

☞ CASTINGS OF ALL KINDS MADE TO ORDER.

A. J. Davis,
C. B. B. Davis.

No. 93 N. J. RAILROAD AVENUE.

Nov	22	To Amount of bill rendered		10	75
Dec	18	" 259 ℔ Brass Castings	14 25		
		" 5 ℔ Nuts	1 25		
		" 2 Hours Forging Bolts	1 50		
		" 16 ℔ Iron "	96		
		" 14 Hours Planing	7 00		
		" 12 " Turning	6 00		
		" 21 " Boring & Fitting	10 50		
		" Patterns for Brass	7 00	48	46
				$59	21
Dec	30	Cr By 695 ℔ Old Brass Bolts & Dregs		$35	70
		$35.70		$23	51

Recd Payment in full
A J Davis

Newark, N. J. Dec 28 1875.

Mr Thomas A. Edison

Bought of **CONDIT, HANSON & Co.,**

IMPORTERS AND MANUFACTURERS OF, AND DEALERS IN

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.

236 MARKET ST., COR. MULBERRY.

C. HARRISON CONDIT,
JOSEPH HANSON,
ABRAHAM VAN SINDLE.

4 Carbs of Sulphide 5 00		20 —
recd 5 00		1 —
		19 —
Acknowledged		

LEHIGH,
LACKAWANNA,
Spring Mountain,
CUMBERLAND,
and all other kinds of
C O A L,
ALSO,
Hickory, Oak and Pine
WOOD
at the Lowest Cash Prices.

Newark, N. J., Dec 28 1875

Mr T. A. Edison

Bought of **JOHN MERKEL, Jr.,**
WOOD AND COAL YARD,
28 PRINCE STREET.

Dec 1875				
28	1	Ton Stove @ 17.00	7	00
	1	" Nut @ 6.00	6	50
			13.	50
		Recd Payment John Merkel		

ALL ACCOUNTS SETTLED MONTHLY.

NEWARK, N. J., Dec 29th 1875

Mr Thos A Edison

Gilder & Letterer
ON GLASS.

Mr George Price, Dr.

Plain and Ornamental Japanner.

Terms Cash.

~~323 MARKET STREET,~~
67 North 6th Street

Dec	10	To Making 22. Wooden Base @ 50¢	11.00	
		Acoustics		
		O K B		

STATEMENT.

New York, Dec 31 1875

Mr T. A. Edison

Menlo Park N J

To D. VAN NOSTRAND, Dr.

23 Murray & 27 Warren Streets,

P. O. Box 1741.

Folio 242.

	Miles. per Bill Rendered.		
Sept 13		8 00	
Oct 26		15 60	
Nov 16		23 25	
Dec 2		18 00	59 85
			~~19 85~~

Please remit

406 MONTHLY STATEMENT.

NEWARK, N. J., Dec 31 1875.

Mr Thomas A Edison

In account with CONDIT, HANSON & CO.

236 MARKET STREET, cor. MULBERRY.

Dec 1	Amt up in a	40 01
28	Mdp	19
		59 01

49 53
12
31 53

Get all bills

The New York P O Nov 16 1875 of Thos A Edison Two hundred & fifty dollars on account

250.00/100 J W Queen Jr
L Hedstrom

1875. Edison, T.A. - Checks (D-75-003)

Checks.

Not selected.

1875. Electric Pen (D-75-004)

Correspondence, some by Edison; agreement, bills, receipts, samples of work done by the electric pen.

Filmed in the following order: correspondence and agreement, bills and receipts, samples.

See also: "Gilliland & Co." (D-75-007).

Not selected: duplicate samples.

New York, Aug 17/85

Thomas A. Edison Esq

Dear Sir —

I have been out of town for several days, and have now for the first time your letter of the 10th inst before me, wherein you ask about what arrangement you can make with me to get the tip jars of me and manufacture the rest of the battery, etc.

In answer I would say that I will take pleasure in selling you the battery complete in quantities at a very reasonable

price, but as to selling simply the jars I am not sure that you would find it a better arrangement.

You speak of an "Electric pen" which you are setting up. How would you not like to have my electric machine to use for the pen? I suppose the pen is some kind of bath in which electricity is administered to patients.

Be so kind as to give particulars of what you think of my proposal to supply the machines complete in quantities at a low figure to you in your pen or bath, and oblige

Yours Truly

Byrom Fields M.D.

North East Corner of

17th St & 4th avenue

New York Aug 26th/75

T. A. Edison Esq

Dear Sir

In answer to yours of Aug 24th I would state that the wholesale price of the Tip Battery complete, without the box or Helix is four dollars and fifty cents, but if you wish the Tip Battery Machine complete (retail price twenty seven dollars) I will supply you with those at a reasonable discount.

I have this day forwarded to your address my Illustrated catalogue and price list.

Yours Truly

(over) Dr Jerome Kidder Pth

Please state what you mean by complete

Dr. J. K
Pulls

Illinois
Aug 26. 75

Sept 17
Albuquerque

New York, 5 p.m. Sept 17th 95

My dear Saffiox,

Charlie Myers last night received the distressing news of the death of his father and leaves tonight for his home in Illinois to return as soon as possible. The poor fellow was, naturally, much distressed and asked me to notify you.

Now about the Press. I find that our greatest difficulty is to induce clerks in places where we call to give it a trial. They do not like to take the trouble to learn to use the pen.

At that place of the organs the man objected to it on account of the police but promised to let me know in a day or two if he could find use for the pen. I had an appointment yesterday with the Union Bar but he twice disappointed me. I was at the N.Y.C. R.R. struck off a number of beautiful copies and explained the whole thing to a crowd there and received a promise that they would notify me of what they would do in a short time. This morning I went to the Merchants Exchange and had a big crowd around me while I made the copies and distributed them but did not make a sale. It is pretty well advertised in that quarter. Am to call at U.P. R.R. again tomorrow. Called at E. S. Jeffrey & Co and Herring Safe Co this P.M. with the former I have an appointment for tomorrow and with the latter when they have time. I have an appointment at Fairbanks for Monday 10 a.m.

The thing is highly praised everywhere but it will be harder to sell than you anticipate. The box is infernally heavy and nearly drop my arms off to carry it. I will see you about Sunday or sooner if I can run across you in N.Y. In haste

Truly Yours

P. Mullarkey

Address Letters to
P. O. Box 1744.

Hagerty Brothers & Co.

8 & 10 PLATT STREET.

New York, Sept 18 1875

Mr Thos. A. Edison

Menlo Pk N.J.

Dear Sir

In reply to yours of yesterday enquiring as to say what we cannot give quotation on boots unless, as you have omitted to state the quality of glass required, and the size not fully understand your drawing. Make it convenient for you to call and give us more description of the article.

Yours &c

Hagerty Bros & Co

Leg

Sept 23 1875
Wallace Ely

New York Sept 23d 75

My dear Eddson

Not having had time to visit you I write by this to report progress. I have been busy all the time. Mr. S Engineer who called on me gave me his address as Room 25 109 Broad St and on going there I find no such number. I saw Mr. Clarke and he said he would make arrangements with you. The Chief Engr of the U.P.R.R. told me that the office at Omaha had written for a printer and on my showing him how this worked he said he would write recommending

it and he had no doubt that they would order one. I suggested the general use of them on the road and he replied that that might follow. I know he was much interested and will try to introduce them where necessity may exist. I am promised an answer about the 3d.

This afternoon a crockery firm examined it and will give me an answer Monday. I have no doubt but I have made a sale to them, they being greatly pleased with it.

Bankers and Insurance people do not seem to want to take hold of it until it is established. I have called at many places and find after showing the whole thing that the chief objection comes from clerks who do not want to have to use it — others offer such trifling objections ~~such~~ the noise &c. One man yesterday wasted three hours of my time and then, pronounced it "quite a curiosity". I am so tired from today's work that I am hardly able to stand. I am anxious to know if you can open your office here Monday so that I could have a base of operations. As it is I have a world of trouble and some expense. I am trying a new class of men now and am in hopes of reporting better results. You may look for difficulty at first and plenty of it.

Cheerily Yours

J. Muccarkey

Address Letters to
P. O. Box 1744.

Hagerty Brothers & Co.

8 & 10 PLATT STREET.

New York, Sept 21st 1875

Mr. Thomas A. Edison

Newark N. J.

Dear Sir

Enclosed we hand you

of the [illegible] which [illegible]

Yours. Same as your sample, of good

quality, strong, steel, durable, &c

a fair article for [illegible]

[illegible] supposed

about to drop without [illegible]

two or more [illegible]

Soliciting your order

We are, Yours &c

[illegible]

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The terms of this Company require that all messages received for transmission, shall be written on the blanks blanks of the Company, and are subject to the conditions printed thereon, which conditions have been agreed to by the parties hereinafter named.

WILLIAM ORTON, Pres't,
GEO. P. SHELDON, Secy. | New York.

Dated Newark N. J. Sept 21st 1875

Received at

To T. A. Edison

104 12 Broad St

Newark N.J.

Send 1000 one

instrument, advise

when and by what express

direct to

P. Malorky

15 paid Newark

Ry x Rd

4.30 pm

[MISDATED. CORRECT DATE IS SEPTEMBER 24, 1875]

Williams, Edwin

New York Sept 24th 74

My dear Edison:

The instrument ordered tonight is for the advertising agents Geo P. Rowell & Co No 39 Park Row. I regard this sale as most important because this place has so many frequenters. I have no doubt but that very soon I shall be able to send you several orders as my efforts to bring it into notice has already made it quite

the theme of conversation, I have had bad luck in not being able to find several gentlemen who made appointments with me at their offices. I'm confident of better success in this direction tomorrow.

Please be careful to have the needles well adjusted and the roller soaked. Advise me what express you forward it by and when. I would have been out to see you this week but positively I have not had a moments time –

Hoping but truly yours
P. Mullaney

T. A. Edison, Esq.

P. S. I will call for the box at the Express office so the address will not be more than simply New York City

Williamsburg
Oct 1st 1875

New York Oct. 1st 1875.

My dear Edison:

I called twice and sent a note addressed to you at the A.T.P. office, being anxious to see you this afternoon.

I delivered an order to Mayer Bros this morning and was told by them that there was much anxiety respecting the instrument among men in their business and that there would be a lively demand for it in that quarter should this one turn out well.

I made several calls yesterday and today and have

been so successful in convincing them of its utility that I am certain of doing well in a very short time. I have discovered that the commencement must be gradual as each one appears to want to "wait until it comes more into general use". I have done so far all I could and have advertised it quite extensively - It is my purpose to advertise in Sunday's Herald and start out my good men next Sunday if you can supply me with the instruments for them. I will not be able to do much out door work because I shall have my duties at the office which will be enough to absorb all my attention.

Please send me on receipt of this one instrument complete with a new needle for my own and I will return the one I have.

I also wants an extra cup of battery for my instrument.

I have been running so much to-day that I can hardly sit up. After I get these companies returned I am pretty sure we shall be able to do the business here in a manner pleasing to all concerned. Please send five reams of that square paper and some blotting paper. Hurrying yours

P. McCarkey
H/Sey St.

T. A. EDISON, 10 & 12 WARD ST.,

NEWARK, N. J., 187

Oct 2nd 1878

It is understood that Thos A Edison receives 6,13c Laboratory 1.15, Batchelor 2.45. Geo Adams .27.c on each $10 made on Autographic Press,

T A Edison
Chas Batchelor
Geo. Adams

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rates of this Company require that all messages sent for transmission, shall be written on the message blanks of the Company, subject to the conditions printed on them, which conditions have been agreed to by the sender of the following message

WILLIAM ORTON, Pres't.
GEO. H. MUMFORD, Sec'y. } NEW YORK.

Dated New York 1878

Received at

To T A Edison

10 Ward St

Want two instruments today and sup Tuesday can you furnish

P. Mullarky

10 paid 25,

Wd

Washington, Oct 17/75.

T. A. Edison, Esq,

Dear Sir:

Today I saw Mr. Pinkus and Mr. Gaugy, the latter of whom saw Mr. Ruff in New York last week. They both said the assurance given Mr Pinkus that Caper is heart and soul, and that you may come Caper to receive on his Gas, to be used as samples. Now will you please forward by express C.O.D. to Chas. A. Ketcham the earliest moment possible.

As ever, Yours, very
[illegible]

strenuous effort to introduce Kefir as soon as we can [illegible] to exhibit. [illegible] says that [illegible] did not [illegible] to fully [illegible] to [illegible] the [illegible] and Pullmans. Of course you want to be satisfied before doing this that we are the proper persons to take hold of such matters. All [illegible] open to credit, and you will soon be satisfied that we are not lacking in energy [illegible] prise. By added to our [illegible] acquaintance here, and [illegible] [illegible] who are [illegible] to appreciate the advantage

of such a fee, must ensure success. We do not propose to contest matters with advertising, but to endeavor to effectuate sales by means of personal solicitation on the part of ourselves, father, and agents that we will appoint, [illegible] [illegible] we cannot expect large results at once. [illegible] [illegible], and it being a new thing it will take a little time to develope it. All we want is a little time. If the fee will do what is claimed [for] it, and what we have every reason to believe it will, we have no fear of ultimate success. It supplies a desideratum that has long been felt.

Sir,

I have received your letter of the 4th inst. Can you give me Mr Reuter's address? Mr Pinter says that most men are like a certain class of other men, kind-hearted for needs, and that rather than be a nuisance to anyone he would be willing to make the sacrifice of his time. I think, however, that the [illegible] will be well worth a week, and it is not improbable that Mr Reuter is interested in your plan. Otherwise I think you will make the alteration and send the machine, including the cost to be added, C.O.D. I will immediately send on a machine by return. I have that Mr Reuter's and the work otherwise will

send on two more, in that case, I venture to congratulate you for your success in addition to book & machine.

He suggested to Mr Pinter, having [illegible] he [illegible] in [illegible], as our manufacturers in [illegible] are, to pay you a royalty for the exclusive privilege of making the machine in [illegible] & [illegible] arrangement and [illegible] see advantage on the footing it would do it to [illegible]. I think this would [illegible] a great deal better for you than [illegible] as the sale of machines is [illegible] to cost of them.

I have [illegible] answer. We want to make a

opinions more, if our hands
are at present tied up:
Can we not hear definitely
from you by return mail.
We will then act, perhaps,
we must draw up a contract,
and forward it.

Yrs

J. A. Hoffman

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, President.

The rates of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, and that messages shall be delivered by the sender of the following message.

D. H. BATES, Gen'l Supt., Atlantic Division, New York.
E. D. L. SWEET, Gen'l Supt., Pacific Division, Chicago.

ALBERT B. CHANDLER, Secretary.

NUMBER	SENT BY	TIME.	RECEIVED BY	CHECK.
10	JH	1.40	T	Paid 95

Dated New York Oct 11 Frazer's 132 Fulton St

To Elmira Rec'd at Oct 11 1875

Send one ointment complete tomorrow morning

Millard Kelsey

10
15
20
25
30
35

Van Kleeck, Clark & Co., Publishers, 24 Vesey Street, N. Y.

HURON HOUSE.

Quill & Ames, Proprietors.

Port Huron, Mich., Oct 16th 1875

Thos A. Edison Esq.
Newark N.J.

Dear Sir:

Having waited very anxiously for the sample "Trip" and it not yet having put in an appearance I write to see if you can tell us when we may positively expect it.

Believing that it would be here as soon as the Wednesday next after you left here I made all my arrangements to commence active work selling it and by the showing of the few samples I must have got conditional orders for ten machines or more here in this little city.

I am very anxious to begin work with it as I am now doing nothing but waiting for the trips at considerable expense having thrown up the situation I held to take hold of this.

There is no doubt in my mind but that we can sell the press very readily, but, of course, every one we have talked with wants to see the press in actual performance of the work before they will make their orders positive which seems to be what we should expect.

In a former letter I sent an order for two presses to be sent with sample or agents press and here repeat it. But if you are not prepared to fill orders yet, please send agents press at once.

Yours truly,

W. H. H. Blanchard Jr.

Blanchard Jr.
Oct 16, 1895

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

No. .....

The rules of this Company require that all messages received for transmission shall be written on the Message Blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

G. H. MUMFORD, Sec'y. WILLIAM ORTON, Pres't.

Dated

To Edison

Rec'd at 178 Market St., Newark, N. J.

Oct 21 1875.

Send with instruments tomorrow one extra cup of battery and plates spare to be exchanged

Mullarky

Richmond Va.

Office of Dale, Moore & Co.
Agts. for the Diamond Photographic Lens
No. 1035 South 3rd Street,
Philadelphia Oct 2 1863

My Dear Petersburg

E H Jones Esq

Mr Thos. McGillivant would like me to do some writing for him - I can do any thing for you connected with my present pursuits - but hope to get one of these little fellows like Mr. J Smith then I will do anything for him that my trade hand is capable of. What is the matter with this new pen that you sent Mr. I adjust it so the point will project out something more than a 32nd of inch & then it is tight - but after writing work it a little while it goes way back on the tube again & remains there though the binding screw is still tight. It has been asking that my

B F Johnson

B F Johnson

all day - Is there any
Specific Cause for it -
Yours Truly
B F Johnson

Shipped & received the
Money
Batchelor

T. A. EDISON,

10 & 12 WARD ST.,

NEWARK, N. J., Nov 10 1877

W. C. Uller Esq.

Dear Sir

Chas F Garrigues' machine sent to Philadelphia not received, cause delay, H J Fillman Genl ticket agent Penna RR Co ordered me here yesterday & I have telegraphed Express Company to deliver to him the one sent to Garrigues. Sugar & Sons machine I have received the money for this morning which charge to Edison please. Mullaney's 9 Batteries & 1 Dynamo cap I will endeavour to have over tomorrow forenoon

T Batchelor

10/11

T. A. EDISON,

10 & 12 WARD ST.,

NEWARK, N. J., Nov 13 1875

Mr. Miller

10 Have delivered to Mr Drake 1 Press complete received the money therefor I send by boy 5 batteries for Mullarky please let him turn over to you the 9 pair of Genet batteries Cannot supply him with new pens at present he must wait a little while. Am going to ship 1 Press complete & Halford Complete for Drake shall send out no more unless you order Will send you some presses I think Saturday all Com Slate

Chas Batchelor

10 Have delivered to McLaughlin one press & Edison rec'd the money.

Yr. Office Clerk

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

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D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.
23	M		G	DH

Dated, 145 Bway Nov 19 — Rec'd at 665 Bway Nov 19 1875

To J E Sutterlin
103 Waverly Pl

Call	on	N	Miller	HG
agt	autographic	Press	2nd	floor
41	Dey St	Shew	this	dispatch
&	get	your	batteries	sorry
Could	not	get	up	this week
			E H Johnson	

Van Rheen, Clark & Co., Printing, 18 Vesey Street, N. Y.

SECRETARY'S OFFICE.

THE ATLANTIC & PACIFIC TELEGRAPH CO.

JOHN DUFF, Treas.
W. H. GUION, Sup'tend.

19 BROADWAY.

ALFRED PELSON, Sup't & Treasurer.
E. B. L. SWEET, Consulting Manager.
A. M. CLAY, Asst. Secty.

New York Dec 1 1875

T. A. Edison Esq.

Dear Sir

On Sunday last, I met a very brother-in-law's house the Rt. Rev. Mr Holly, as per pamphlet enclosed), and was so much surprised at his intelligence, eloquence, and singleness of purpose as to become greatly interested in him - learning that his printing press had been destroyed at the fire which destroyed his home and mission buildings, and it occurred to me your machine would be of great service to him in communicating with the missionaries, under his charge, distributed over the Island - He has seen the one we have and would be much pleased to have one - I told him I

Knew the facts you would no doubt give him one for cost which I am told is not more than $15 – He said he would pay $15. – Mr Johnson believes you will let him have it at that – Please advise me at once if you can as Bishop sails for Hayti on Saturday Mr Johnson says a book of direction can be had) – Your concession will aid the cause of true charity –

Respectfully
Your Friend

Rev. Dear
Yours very

A Nelson
Dec 1st

T. A. EDISON,

10 & 12 WARD ST.,
NEWARK, N. J.,

(1875?)

187

Mr Miller

I enclose letter from Lockwood. I would like ~~Mr~~ Mullaney write the letter on a single sheet foolscap & print ½ doz and take them to Lockwood and show him how the can easily write smaller & use the regular paper. You might say that we had at getting up the larger size yearly & didn't expect to have for some time, but would exchange for regular on paying the difference of this should be any

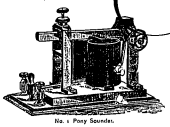
Yours

Edison

New York, Oct 8 1875

P. Mullarkey Esq

Bought of **L. G. Tillotson & Co.,**



No. 1 Pony Sounder.

RAILWAY AND TELEGRAPH SUPPLIES

OF EVERY DESCRIPTION,

Manufacturers of Telegraph Machinery and Materials of every description, Wire, Galvanized and Plain Office Wires, Switch Boards, Insulators and Brackets, Acids, Quicksilver, Blue Vitriol,

CONSTRUCTIONS' AND REPAIRERS' TOOLS, &c., &c.

SOLE AGENTS FOR THE AMERICAN COMPOUND TELEGRAPH WIRE,

General Agents for Bishop's Gutta Percha Wires and Cables.

Sole Agents in the United States for the Celebrated English Galvanized Wires of Messrs. Richard Johnson & Nephew.

Notes

Folio

TERMS CASH. *P. O. Box 1714.* **No. 8 DEY STREET.**

4 Cells Grenet Battery	2.50 15%	10 1.50	8.50

Paid L. G. Tillotson & Co
per Wardell

OK.

Shipped via

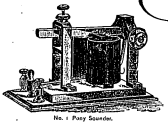
Order No.

Package Nos.

New York, Oct 9 1875

P. Mullarkey Esq

Bought of **L. G. Tillotson & Co.,**



No. 1 Pony Sounder.

RAILWAY AND TELEGRAPH SUPPLIES

OF EVERY DESCRIPTION,

Manufacturers of Telegraph Machinery and Materials of every description, Wire, Galvanized and Plain Office Wires, Switch Boards, Insulators and Brackets, Acids, Quicksilver, Blue Vitriol,

CONSTRUCTIONS' AND REPAIRERS' TOOLS, &c., &c.

SOLE AGENTS FOR THE AMERICAN COMPOUND TELEGRAPH WIRE,

General Agents for Bishop's Gutta Percha Wires and Cables.

Sole Agents in the United States for the Celebrated English Galvanized Wires of Messrs. Richard Johnson & Nephew.

Notes

Folio

TERMS CASH. *P. O. Box 1714.* **No. 8 DEY STREET.**

2 Cells Grenet Battery	2.50 15%	5 .75	4.25

OK.

Paid L. G. Tillotson & Co
per Wardell

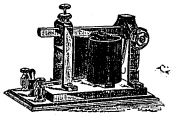
Shipped via

Order No.

Package Nos.

New York, Oct 12 1875

P. Mullarky



No. 1 Pony Sounder.

Bought of L. G. Tillotson & Co.,

Railway and Telegraph Supplies

OF EVERY DESCRIPTION,

Manufacturers of Telegraph Machinery and Materials of every description, Wire, Galvanized and Plain Office Wires, Switch Boards, Insulators and Brackets, Acids, Quicksilver, Blue Vitriol,

CONSTRUCTORS' AND REPAIRERS' TOOLS, &c., &c.

SOLE AGENTS FOR THE AMERICAN COMPOUND TELEGRAPH WIRE,

General Agents for Bishop's Gutta Percha Wires and Cables.

Sole Agents in the United States for the Celebrated English Galvanized Wires of Messrs. Richard Johnson & Nephew.

Sales

Folio

TERMS CASH. *P. O. Box 1714.* **No. 8 DEY STREET.**

H. Ellis Grant & Battery 300		10 00
Less 15 1/2		1 50
		8 50
Paid		
L. G. Tillotson		
O.K. B		

T. A. Edison,

10 & 12 WARD ST.,

NEWARK, N. J. Oct 1 187

P.O.N.

1 at. 1 Pitch. 20.

Rubber. 2.67

Cuk. 1.53

Cash. $24.

T.A.E.

" Mullarky

Cuk. 2.75 $1.54

Cash T.A.E.

New York, March 23 1875

Mr. Miller 41 Dey St.

OFFICES AND STORES
FITTED UP.
Jobbing promptly attended to.
OFFICE FURNITURE
Made and Repaired.

To H. BEINHAUER, Dr.

CARPENTER AND BUILDER,
5 CEDAR STREET.

Mar.	1	To 1 Table top & putting on	4..	4..

Received Payment
H. Beinhauer

T. A. Edison
Co.
Mr. A. K. Miller

Sales Office of Edison's Electrical Pen
and Duplicating Autographic Press
No. 52 Broadway, Room 48

To McLoughlin, Gray & De Mille, Dr

1875

Dec.	7	To 35 copies of Instructions for use of Electrical Pen	3	4 00

Recd Payment
McLoughlin, Gray & De Mille

[illegible] and
[illegible] be
[illegible] from ordinary [illegible]
[illegible] copies of an ordinary
letter can be [illegible] printed in

[illegible] MINUTES,

[illegible] Beautiful

[illegible] DRAWING

[illegible] For the [illegible]
[illegible] printing of

ADVERTISING CIRCULARS

[illegible] supplied.

[illegible] autographic process.

First Electric Pen H. Samples

Sample of the above.

Now is the winter of our discon-
tent made glorious summer by
this son of york and all the
clouds that lowered upon our
house are in the deep bosom
of the Ocean buried grim
visaged war has smoothed
his wrinkled front but now
instead of mounting barbed

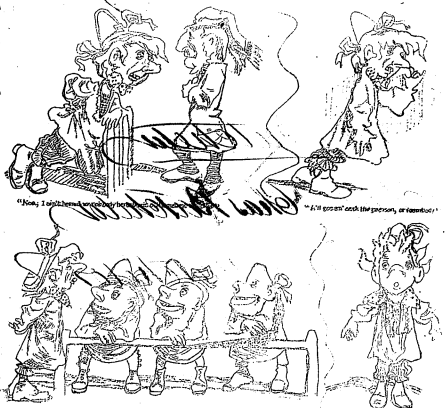
Exhibit 2

Loyenberger

This is a specimen of the work done on the autographic press. Now is the center of our discontent $125 5000 Receipts 158000

Yours
Edison

Specimen
from the Tory Daily Graphic



"Now, I wish I could see my friend Mr. [illegible]" "I'll guess'n ask the person, or familiar."

"It's been a case, you see, hearing of robberies o' the name o' Jaffes, you won't like it? Oh, well; [illegible] for [illegible]" "Why? Fourteen says as we know Mr. Jaffes, and now a fellow in Whitechapel, or in the [illegible] of it? Why? [illegible] he's a good!"

THE BRITISH SUMPKIN. BY ONE WHO HAS MET HIM.

Shunt Shunt Shunt
Shunt Shunt Shunt Shunt Shunt
Shunt Shunt Shunt Shunt

This is a spec

Chas Batchelor

Sit Chas Batchelor

Chas Batchelor

Chas Batchelor

Now is the winter of our
discontent made glorious
summer
Now is the winter

Thos A. Edison —
Now is the winter of our discontent
made glorious summer by this son
of York and all the clouds that lower-
ed upon our house are in the deep
bosom of the ocean buried.
Lloyd Matthews

Thos A. Edison —
Now is the winter of our discontent
made glorious summer by this son
of York and all the clouds that lower-
ed upon our house are in the deep
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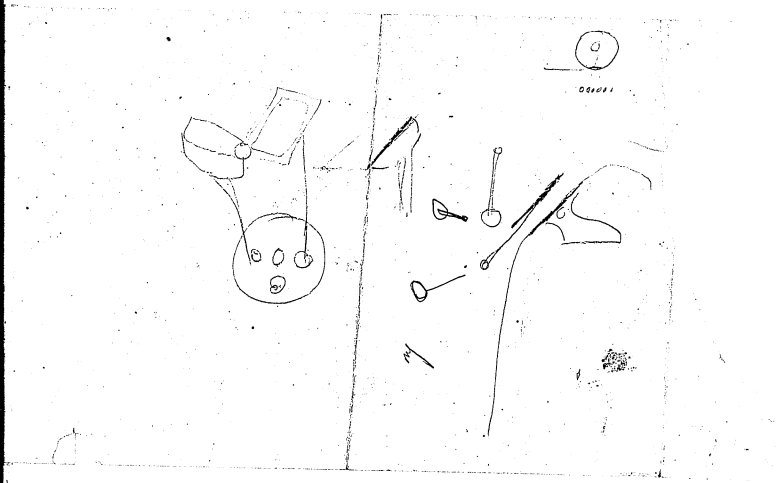


Gilmore's
Electrical Pen.
M. Carman
Agent

Gilmore's
Electrical Pen.
M. Carman
Agent

[ON BACK OF PRECEDING PAGE]

10

10

ELECTRO AUTOGRAPHIC PRESS

The only process yet invented whereby unlimited numbers of impressions can be taken with rapidity from ordinary manuscript. One hundred copies of an ordinary letter can be beautifully printed in

FIVE MINUTES,

after it has been written. Beautiful

COPIES OF A DRAWING

map, etc. can be taken. For the economical printing of

ADVERTISING CIRCULARS

[illegible]

This card has been printed by the autographic process.

1875. Employment (D-75-005)

Correspondence.

All selected.

Dunkirk Jan 25th 1895

Mr Edison

Dear Sir

I am now living here in Dunkirk and have been since I was discharged from your Works nearly three years ago by Mr Unger, I have papers send me weekly from Newark and in one of them last week I saw that your Works are in a very prosperous condition more so than any in Newark you employ a hundred men and would employ thirty to fifty more if the proper parties could be had I take it that you want some good steady hands and I think that I can do as much work and as good as the next man I do not care who him

and if I could get a contract job from you I would come immediately I am working but it is heavy work selling up Stationary Engines for the last six months and when I first came out here I worked on Locomotives but those works closed when the panic came on a year last September then I was ten months out of a job until I got in where I am now now if you can give me as good a job as I had when I was there I will come. Please let me know this week if possible and oblige

Yours most Respectfully
M. J. Schlottenhard

address Lock Box 89
Tonkerk
N.Y.

Camden N.J.
Feb 75

Mr. Edison

Dear Sir wishing steady
employment I applied
to you hearing that you
have plenty work is
a general thing. I
accounted with Jay
Shuverd and was talking
with ~~you~~ him and he has
a very good opinion of
your shop I think I
would like to work
for you I am use to work
ing on registers I am
employed ~~on~~ now but
don't tell how steady
it will be so if you
are in want of any

hands please answer immediately so I will rely on your courtesy for an answer

I remain yours
&c &c

Saml. Hanson

Direct
to Saml Hanson
1004 Sth Second St
Camden
N.J.

Enclosed
Models
Please forward

Orange N. J.
Dec 6th 17.

T. A. Edison Esqr

Dear Sir

I am desirous of making an electrican of myself and wish to know if there is any chance of my getting into your factory where I can get a berpain advantage - I do not desire a paying position as I am not dependent on it - I merely want to be where I can learn more about the practical part of Telegraphing - I went into Mr Prescott Office last May But Mr Prescott was alwedy to busy & Mr Smith away so much I had no chance to learn much - I have been employed in the main office of the W. U. Co and am considered a good operator but I do not desire to make my business merely an operator

I would be willing to pay
for by being allowed to enter
your place & be allowed to
pick up what I can —
My Father is a Scientific
Publisher in N.Y. (John Wiley
& Son 15 Astor Place) and
I can procure any books
whatever on the subject.
By replying you will
greatly oblige me
Very Respy
Yours
Geo J. Wiley
Orange N.J.

1875. Etheric Force (D-75-006)

Correspondence, some by Edison.

All selected.

TERMS, $2.50 A YEAR, IN ADVANCE.

ARCHIVES OF ELECTROLOGY AND NEUROLOGY.

A JOURNAL OF
Electro-Therapeutics and Nervous Diseases.

EDITED BY
GEO. M. BEARD, A.M., M.D.,
35 West 38th Street.

PUBLISHED BY
T. L. CLAGHER,
107 East 19th Street.

Dr Beard
34 West 38th
Dec 1. 1879

New York, Dec 1. 1879.

My Dear Dr.

Assuming that you have made no mistake in the experiments, and that no other sources of error have escaped notice I would suggest that a fair name for the new force would be apolia (derived from the Greek a privative and πολος polo). Our idea of polarity is the leading fact with regard to it. Even if subsequent study ~~should~~ ~~detect~~ proves that the force is capable of polarization the fact - not practically & for the light - not practical purpose it is practical purpose it is non-polar, and that

fact with [redacted] distinguish it from the ordinary forms of [illegible]
apologize, apologizer, apologization
apologize – these terms could
easily be derived from the
original root.

There are a number of
experiments that I would like
to suggest – when time; and if possible
I will come one Thursday afternoon

I have written to a man
– I remark a been requested
here to drop up a frog &
take to your office on
Thursday; I hope that he
may succeed, but I fear that
he will not.

Very truly Yours
Geo. M. Beard

New Haven, Conn
Dec 2. 1875

Mr Thomas A. Edison
Newark
N.J.

Dear Sir

Can a fair sized spark be produced by the atmospheric form of Electricity, with which you are Experimenting?

And is the spark dense and of a bluish color?

We have no relation to Electricity today nor have we ever had.

Yes. We have photographed it

Very Truly
Yours Etc
Charles E. Bissell
Ass Office Mgr. N.H.R.R.R.

131 West Adams

Chicago
Dec 9 1890

New York Dec. 4th 1875

Dear Sir -

There is a very strong desire to have you come before the Polytechnic Institution, in this city, and give us a personal account of the important discovery you have made.

Next Thursday evening, at ½ past 7 O'clock, at the Cooper Institute, room No. 25, is the place of meeting. Please exhibit your apparatus, and say just what you choose, in a conversational manner, as we do not wish to tax you with a formal discourse, which you may not have time to prepare.

There is a black board behind the desk for chalk drawings, and room for placing plans, if you should have them to exhibit.

I beg you will have no hesitancy in complying with our request, it would be so gratifying to see him and hear from your own lips, that which the papers speak of with such admiration.

The audience is made up of the general public interested in the progress of art and science, who will appreciate your efforts.

Very respectfully, I have the honor to be your Obedient Servant.

S. V. P. Smith, No 20 Irving Place.

Chairman

T. A. Edison, Esq

Board of Trade,

In the City of Newark, N. J.

Newark N. J., 7th Decr 1875

T. A. Edison Esq
Newark

Dear Sir

The Board of Directors of the Board of Trade have instructed me to invite you to be present at the meeting of the Board to be held this evening 8th inst in their Room 764 Broad St. at 7½ o'clock P.M. to exhibit and explain your recently discovered "Etheric Force" or if it should suit your convenience I will be happy to meet you in these rooms tomorrow between 10 A.M. & 2 P.M. for the purpose of arranging preliminaries

Very Respectfully Your obt Servt

Rob: E. Swards Secy

Dr Beard.
Dec 5

TERMS, $2.50 A YEAR, IN ADVANCE.

ARCHIVES OF ELECTROLOGY AND NEUROLOGY:

A JOURNAL OF
Electro-Therapeutics and Medical Diseases.

EDITED BY
GEO. M. BEARD, A.M., M.D.,
26 West 24th Street.

PUBLISHED BY
T. L. OLOCHER,
102 East 26th Street.

New York, December 1873

My dear Sir:

Yr Pneudeth message crowded out my letter, but it is promised for to-morrow (Thursday) or Friday sure.

I have seen the proof, and have made important additions, including a notice of the latest experiments the other evening.

I have a theory that the circuit is completed on the conductor itself, that the force goes & returns on the same coil, & that the current alone is the wave of induction force is shut out—

(Confidentially mention this to no one)

from the magnet or the coil is the path of the best conductor; when the current opens a wave of the force ~~that~~ shoots back again by the same path to the battery. This process rapidly repeated gives the force or an idea of it. The spark is the result of the vibrations acting on the air for of the iron both on going & on returning. This theory would account for all the phenomena; it is not in harmony with known laws, but neither are the phenomena. Truth of it. I wish you people make or arrange a large ~~magn~~ electro-magnet & see whether this force cannot be developed on a much larger scale. If you want things any time I can get them for you. Give my respects to your associates & to Mr. Spencer, who, by the way, is a splendid fellow. Please say so. Altogether & newspaper about.

Yours truly
Geo. M. Beard.

New York, Dec. 8. 1875

Box 58 B3

Mr. Thomas A. Edison
Menlo Park N.J.

My dear Sir:-

I wish to call your new force-robbing invention to the notice of a friend, viz: Prof. J. H. J. Arnold, M. D., of the Chair of Physiology in the City University Medical College.

Will you do me the kindness to drop me a note making an appointment?

Yours respectfully
J. L. Lang

P.S. I send you a Thesis

T. A. Edison. E-2575 10 & 12 WARD ST.,

NEWARK, N. J., Dec 8 1875

Chas E Buell Esq.

Dear Sir.

Yours received asking if a fair sized spark can be produced. Yes, but it has no relations to electricity & follows none of its laws.

A dense spark of bluish color is produced. We have photographed it

Resp Yours

Thos A Edison

per B.

Chas E Buell Esq.

Cor Office

N Y, N H & H R.R.

New Haven

Conn.

Dear, 10th

President Morton will be happy to furnish any apparatus that may be needed for the proposed experiments. Have appointed Tuesday afternoon next —Two o'clock— as he wishes to witness the experiments, and will be out of town Saturday. He suggest that it would be well to have some one come on Monday and select the apparatus that will be needed, so that every thing may be ready, and in order.

Yr. Robertson

TERMS, $2.50 A YEAR, IN ADVANCE.

ARCHIVES OF ELECTROLOGY AND NEUROLOGY:

A JOURNAL OF

Electro-Therapeutics and Nervous Diseases.

EDITED BY
GEO. M. BEARD, A.M., M.D.,
35 East 23d Street.

PUBLISHED BY
T. L. CLACHER,
107 East 24th Street.

Dr Beard.
Dec 10 1870

New York, Dec 10 1870.

My dear Sir:

I wrote you
would get – a large piece
of cardboard, make it in
the shape of a cone, and
of a size large enough to cover
all the spools that [illegible]
the frame. Let this
cone be placed so as
to cover all the [illegible] covered
cotton or spools in [illegible] in
unbleached [illegible]. Brown
thus let was be placed

running from all
points of the periphery to
converging ~~center~~ toward the
apex of the cone
At the apex let there
be located a connection
with the wire to conduct
the force away. In this
way you could get all
the force from the. The
cone might be covered
with a thick layer of
glass or ~~rubber~~ or porcelain
except at the apex

Very truly yours
Geo. M. Beard,

New York, Dec. 13, 1875

My dear Edison

I feel sincerely under obligations to you for making the appointment for this evening at my request. Dr. Arnold has an attack of Asthma to-day. He is subject & the weather today is fearfully disagreeable especially on account of wind & dust. This colleague Dr. Williams has unexpectedly announced as executor of a deceased brother-in-law to meet friends. They were to dine with me at 4 & then we were going together. I sent a note to Prof. Mayer to meet us at your laboratory, but have heard nothing from him. — Well, I shall drop in on you informally some day, on your hours. Yr friend S. D. Lewis

TERMS, $2.50 A YEAR, IN ADVANCE.

ARCHIVES OF ELECTROLOGY AND NEUROLOGY;
A JOURNAL OF
Electro-Therapeutics and Nervous Diseases.

EDITED BY
GEO. M. BEARD, A.M., M.D.,
55 Fifth Avenue.

PUBLISHED BY
T. L. CLACHER,
101 East 25th Street.

New York, Dec 19, 1871

My dear Sir: I have seen Dr Smith, and he says that the notice has been given, and that you had better give drawings on the board this week, and have a lecture on them, and next week give the demonstrations with your improved apparatus.

I agree with him I will disappoint the audience to fail now that the announcement has been made. So please be on hand at the room in

Cooper Institute Thursday
evening promptly at 7.30
and I will meet you there
and will do all I can to
make it go off well.

Come with drawings on
paper, to be copied on the
black board,

Bring also a helix or so
in your pocket. The one
you ~~[illegible]~~ first uses,
or a sounder will answer,

Dont fail,

and I will not,

Very Truly

Geo. A. Beard

Mr Th Edison

1875. Gilliland & Co. (D-75-007)

Bills, receipts.

All selected.

NEW JERSEY EXPRESS COMPANY,

EXPRESS FORWARDERS.

No. 1. [DOMESTIC BILL OF LADING.] Newark, N. J., April 9th 187[illegible]

RECEIVED of Gilliland & Co

One Box VALUE

For which this Company charges

Marked J. L. Waite

Burlington Iowa

Which it is mutually agreed is to be forwarded to our Agency nearest or most convenient to destination only, and there delivered to other parties to complete the transportation.

It is part of the consideration of this contract, and it is agreed, that the said Express Company are Forwarders only, and are not to be held liable or responsible for any loss or damage to said property while being conveyed by the Carriers to whom the same may be by said Express Company intrusted, or arising from the dangers of Railroads, Ocean or River Navigation, Steam, Fire in Stores, Depots, or in Transit, Leakage, Breakage, or from any cause whatever, unless, in every case, the same be proved to have occurred from the fraud or gross negligence of said Express Company or their servants; nor, in any event, shall the holder hereof demand beyond the sum of Fifty Dollars, at which the article forwarded is hereby valued, unless otherwise herein expressed, or unless specially insured by them, and so specified in this receipt, which insurance shall constitute the limit of the liability of the New Jersey Express Company. And if the same is intrusted or delivered to any other Express Company or Agent (which said New Jersey Express Company are hereby authorized to do), such Company or person so selected shall be regarded exclusively as the agent of the shipper or owner, and as such alone liable, and the New Jersey Express Company shall not be, in any event, responsible for the negligence or non-performance of any such Company or person, and the shipper and owner hereby severally agree that all the stipulations and conditions in this receipt contained, shall extend to and inure to the benefit of each and every Company or person to whom the New Jersey Express Company may intrust or deliver the above-described property for transportation, and shall define and limit the liability therefor of such other Company or person. In no event shall the New Jersey Express Company be liable for any loss or damage, unless the claim therefor shall be presented to them in writing at this office within thirty days after this date, in a statement to which this receipt shall be annexed. All articles of Glass, or contained in Glass, or any of a fragile nature, will be taken at Shipper's risk only, and the shipper agrees that the Company shall not be held responsible for any injury by breakage or otherwise, nor for damage to goods not properly packed and secured for transportation. It is further agreed, that said Company shall not, in any event, be liable for any loss, damage or detention caused by the acts of God, Civil or Military Authority, or by Rebellion, Piracy, Insurrection or Riot, or the dangers incident to a time of war, or by any riotous or armed assemblage. If any sum of money, besides the charge for transportation, is to be collected from the consignee on delivery of the above-described property, and the same is not paid within thirty days from the date hereof, the shipper agrees that this Company may return said property to him at the expiration of that time, subject to the conditions of this receipt, and that he will pay the charges for transportation both ways, and that the liability of this Company for such property while in its possession for the purposes of making such collection, shall be that of Warehousemen only.

Duplicate

For the Company,

FREIGHT,

[signature]

New York, July 1 1875

M. Thos A Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

30 Automatic Battery Zincs @ 5	1	50	
12 " " Carbons & Clamps @ 15	1	80	3,30

New York July 30 1875

Mr Thos A Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

15	Inductorium Lines	@ 20	3 00	
18	No 1½ Batty "	@ 50	9 00	12 00

TO MANAGERS AND OPERATORS.

We would like an agent in every city and town for our ELECTRICAL WATCHMAN'S TIME RECORDERS. They can be readily sold to every concern employing a watchman. Send for a circular. We give a very liberal commission.

GILLILAND & CO., 41 Dey St., New York.

FOR SALE CHEAP.

We have a lot of Helmig Keys and Sounders, slightly worn, intended for sending by machine, which we will sell at one-half price. The Helmig and Sounder are the No. 1, Williams pattern; the Keys are Phelps' W. U. pattern. A splendid opportunity to get a first class instrument cheap. Address GILLILAND & CO.

New York, Sept 25 1875

Mr Chas Batchelor

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

Labor Running wires repairing & Plating alarm bell	11 00	
Wire and Cutting Material	4 50	15 50

Received Payment
Gilliland & Co

(1875)

Newark N J Oct 1

Statement
T A Edison in ac Gilliland & Co

Sept	20	Pieces Gating 300 @ 7	21 00
"	2	inches platinum wire 36	1.00
"	4	lb Brass Rod	1.44
	2	Auto Baltys	20.00
	3	Rollers	3.00
	80	Cam nuts @ 2	1.60
	80	Shoulder screws	80
	3	Domestic Boxes	75
	80	Stop screws	80
	40	Hinge screws	70
			51.14

(1875)

Newark NJ Nov 1

T A Edison in a/c Gilliland & Co

Oct 6 – 1	Roller		1.00
" 8 – 2	"		2.00
" 8 – 3	"		3.00
" 9 – 2	"		2.00
" 11 – 5	"		5.00
" 23 – 2	Screws		7.00
" " 4	Rollers		4.00
" 30 9	screws	350	31.50
" " – 34	Keys	@ 435 30% off	101.15
" " 1	Adams	Sounder	4.50
			161.15

O.K. B.

New York, Newark NJ Nov 4 1875

Mr T A Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

54 Ink Rollers @ 1	54.00
O.K. B.	

Newark NJ Nov 4 1875

Mr T. A. Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

4	Autograph Batteries	@ 225	9 00
31	" Cups Relays	@ 1	31 00
			40 00

OK. B

Newark NJ Nov 6 1875

Mr T. A. Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

7	auto Cups	@ 250	17 50
6	" " Batteries	@ 225	13 50
85	plugs	35	30
	Pr for same		72
			32 02

OK.

Newark N.J. Nov 10
New York, 1875

Mr T. A. Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

7 Autographic Batteries 2.25	15	75
OK B		

New York, Newark N.J. Nov 17 1875

Mr T. A. Edison

BOUGHT OF **GILLILAND & CO.,**

Manufacturers of Electrical and Telegraphic Apparatus,

Factory, 10 and 12 Ward Street, Newark, N. J. No. 41 DEY STREET.

5 Autographic Press Batty 2.25	11	25
3 Double Shunting Boxes @ 2.50		90
2 Batteries Ink .75	1	50 1365
OK		

(1975)

Received Newark NJ Nov 12
of Thos A Edison
Thirty five dollars & fifty four
cents on account
35.54 Gilliland & Co

2 Bottles purple Ink
2 " Black "
~~gt~~ ½ Bottle gines

Here are 3 more bottles Ink
to fill your order already recd
956

Received Nov 22 '79

1875. Patents (D-75-008)

Correspondence, some by Edison; memorandum, Canadian patent application and issued patent, bill, receipt.

Not selected: patent applications and issued patents for the same invention, from Russia, France, and Italy.

55

4

United States Patent Office,

To all Persons to Whom these Presents shall Come,

GREETING:

This is to Certify that Thomas A. Edison of Newark New Jersey has this 27th day of January 1875, filed in this Office a CAVEAT relating to an Improvement in Duadruplex Telegraphs and the same has been placed in the confidential archives of the Patent Office, as provided by section 40 of the Patent Act.

This CAVEAT will cease to be operative and will be removed from the confidential archives after ONE YEAR from date, unless the same shall be renewed.

In testimony Whereof, I have hereunto caused the seal of the Patent Office to be hereunto affixed this 27th day of January 1875, and of the Independence of the United States the ninety-ninth

GIVEN UNDER MY HAND, AT WASHINGTON, D. C.

J. M. Thacher

Commissioner of Patents.

NOTE.—If, at any time within one year after the filing of a caveat, another person applies for a patent with which such caveat would in any manner interfere, such application will be suspended, and notice thereof will be sent to the person filing the caveat, who, if he shall file a complete application within three months from the day on which notice is sent to him, will be entitled to an interference with the previous application, for the purpose of proving priority of invention, and obtaining the patent, if he be adjudged the prior inventor.

P. O. Department
Mail Cabinet

To all whom it may concern.
Be it known that I, Thomas Alva Edison of Newark in the County of Essex, and State of New Jersey, United States of America, Electrician, have invented an Improvement in Duplex and Quadruplex Telegraphs of which the following is a specification.

The primary object of this invention is to allow eight persons to use one wire, four to send and four to receive simultaneously, without interfering with each other, this being termed a quadruplex or multiplex telegraph, but the means employed also are available with four operators upon one wire, one operator at each end to send the message and one at each end to receive the same, this being known as a duplex telegraph. And any one operator can send one message to the operator at the distant station when there is not enough business for more operators to work at

2

one time, thereby the single telegraph line is capable of duplicate or quadruplicate use.

The essential instrumentalities are, 1st the line wire marked on the drawing I. 2nd the battery marked B, 3rd a circuit preserving key K, that serves to connect and disconnect portions of the battery with the line and increase or decrease the electrical energy, or as otherwise called, produce a rise and fall of the electrical tension. This key K, is made with an insulated spring 2, upon it that comes into contact with the metal of the key, when in a normal condition and so maintains a metallic circuit through the key from the respective wires, but when the key is depressed the spring 2, comes against an adjusting screw 3, to which another circuit wire from other portions of the battery is connected, hence the circuit through the key is never broken, but the new circuit through the screw 3, is closed

thereby there is no time when the circuit through this key is entirely interrupted, and the wires to the battery are arranged so that more or less of the battery is applied to the line by this movement of this key. 4th, a circuit preserving and pole changing key called a reversing key and marked R.K. This is constructed with a spring 4, acting (like the spring 2) against the screw 5, and there is a second insulated arm 6, either at right angles to the key as shown in the drawing for greater clearness or in line with the main portion of the key, and there is a second insulated spring 7, to this arm 6, and a circuit closing screw 8. The construction of this is such that when in a position of rest one pole of the battery, say the positive is connected to the line and the negative to the earth, but when the key R.K, is moved the negative of the battery is connected to the line and the positive to the earth, and this is

done as aforesaid, without the circuit being entirely broken at any point.

5th. An electro magnet that operates by a rise ~~and fall~~ of electrical tension, but is not influenced by reversing the polarity of the current, nor by the weaker current that is constantly on the line; this is marked M, The spring of its armature is adjusted so as to respond with the rise of electrical tension but not to respond to the weak constant current in the line.

6th An electro magnet with a magnetized or polarized tongue i, and known as a differential or polarized magnet, and marked D. M; this magnet is not operated by a rise and fall of the electrical energy but only by a change of polarity, whether the current is weak or strong.

7th Rheostats that serve to determine the quantity of electricity flowing through one circuit, and to divert the

remainder through another circuit, these are marked R, and numbered for convenience of reference.
The appliances before described are either well known to electricians or will be understood by the foregoing description.
The ground or earth connections or plates are marked G.
In practice, I arrange the rheostats and circuits as will be hereafter described, so that the line is always charged and the two operators at one end send to the distant station electrical pulsations, one operator's pulsations being an increase of electrical energy, that at the distant station energize the electro magnet M, the other operator reverses the polarity of the current, whether that current is strong or weak, and the magnet D.M, at the distant station responds, but the circuits and electrical actions are so balanced that the receiving instruments M, and D,M, are not affected in the least, by the currents

sent out from the home station, but they are free to respond to the currents coming from the distant stations, hence two, four, six or eight persons can operate over one wire, half of them being engaged in sending and the other half in receiving.

Having thus defined the general principles of operation, the details will be easily understood by reference to the figures of the drawing successively.

The keys K, and R, K, Figure 1, may be operated directly by hand, but I prefer that the operator use the finger keys a, and T, batteries a', T', local circuit wires and electro magnets c, and d, with armatures to move these keys K, and R.K, respectively.

The main battery B, has a wire 10, from the key K, that divides the battery into a larger portion 11, and smaller portion 12.

When the key K, is at rest the battery 12, is connected to the line L, through the connections 5. 6. 7, 13, 14 and R' and to the earth

through the connections 10, K, 2, wire 16, 8, R K, 4, and 17.

When the key K, is depressed, the entire battery 11 ~~10~~, and 13, is placed on the line by connecting from 3, to earth 6, through 2, 16, 5, K K, 4, and 17.

Now if the key R K, is operated either at the same time as K, or separately, the polarity is reversed, whether the electrical tension is high or low. Suppose the current aforesaid was positive to line and negative to earth, then if R, K, is depressed, 4, will be separated from R K, and 7, from 6, and the positive current will go from 5, to earth 6, through 4, and 17, while the negative will be connected to the line L, from 3, or K, by spring 2, wire 16, by 8, 7, 13, 14, and R' to line L.

It is to be understood that the instruments at the distant station are the counterparts of those shown in Fig. 1, and having now described how the pulsations of different polarity, and of rise and fall of electrical tension are sent, it will be

apparent that they will at the distant station operate the magnet M, or the polarized magnet D.M, the currents passing from the line L, by 20, M, 21, D.M, R^3, 23, R^2, 15, 14, to earth through R.K, and its connections: a portion however passes by R^1 and 14, and also a portion by R^4 to earth according to the relative resistances of the various routes.

It is now necessary to describe why the pulsations sent do not operate the receiving instruments at the home or sending end of the line.

The instruments M, and D.M, are at a neutral point to the pulsations sent, because the electric current divides, half going by 14, the other half by 15, the rheostats R^2, and R^4 being adjusted to offer the same resistance as the rheostat R^1, and the line and distant instruments, hence between 20, and 23, what is known as a "bridge" is formed and the electric forces of the outgoing current opposing each other equally

the instruments H, and D. H, are not affected.

The rheostat R^3, serves to divert a portion of the current passing between 20, and 23, into the condenser C^1, and upon the principles known to electricians the condenser react or set up a reverse current when the current is lessened or augmented, thereby the effect in the instrument of the static charge and discharge due to the passage of the distant signalling current over such line are neutralized by the counter discharges from the condenser.

A secondary battery S.B. Fig. 16, composed of two or more cups containing acidulated water and poles of the same materials may be used in the "bridge" to effect the same object of neutralizing static discharge from the line of the incoming current by an opposing or counter current set up when the electrical condition is changed.

The condenser C^2, arranged around the extremities of the rheostat R^4 which forms the artificial line, is for the

purpose of generating an inductive current to balance that due to the static induction of the line. The rheostat R^5, is for the purpose of regulating (by increasing and decreasing the resistance) the length and strength of the inductive current from C^2, to enable perfect compensation to be obtained on various wires and especially upon long circuits.

The functions performed by the condenser C^2 will be equally as well performed by inserting an electro magnet C', in the circuit 13, as shewn in figure 16.

The rheostat R^6, Fig. 1, is adjusted to afford the same resistance as the battery B, hence when the operators at one station are balancing the outgoing currents upon the receiving apparatus. M. and D. M, at that station, by the adjustment of R^4, and R^5; the switch 15, at the distant station, which is in connection with the line is to be turned to the right so as to discon-

nect the battery E, from the line and allow the earth connection to pass through R°; thus the battery at the distant station will not interfere with the proper balancing of the outgoing current.

The receiving instruments H, and D. H, may be observed by the receiving operators and the message read either by sound or in any other known way, but usually it will be the best to use these only as relays to the receiving instrument proper and they are so shown. The magnet H, operates by its armature lever, the local circuit from the battery f, in which is placed the electro magnet g, and this in turn operates a second local circuit from the battery f' in which is the receiving instrument g' which will usually be a sounder: the circuit of f' will close when H, ceasy to attract its armature, and the circuit of f' will close when g, is demagnetized, hence the receiving instruments g' and H, will pulsate exactly in harmony, and

as the armature of g, is not so delicately adjusted as the armature of M, there will not be any false pulsation reach g' as sometimes occurs in M, when the polarity of the current is reversed.

The same effects will be produced by the circuits shown in Figs. 2, 3 & 4. In Fig. 2, the battery f, will be short circuited through the armature of the magnet M, when the current does not act in M, and hence the battery f, will not act in g, but when the armature of M, is attracted the circuit is broken and the battery f, has no other route but is obligd to act in g, hence the armatures of g, and M, respond simultaneously.

If the batteries f, and f', be both connected to the receiving magnet g, as shown in Fig. 3, and in reverse so that they balance each other when the circuits of the two batteries are closed the electro magnet g, will not be energized but this electro magnet g, will

respond by the battery f, simultaneously with the magnet M because when the armature of M, is attracted the circuit of the battery f, is opened and said battery f, ceases to neutralize the effect of the battery f! The same effect will be produced by connecting the battery f, to the wire between the helices of the magnet G, as seen in Fig 4, and winding those helices so that the battery current dividing and acting in both helices will produce similar polarity of the cores, hence the magnetism will be neutralized while both circuits from the battery f, are closed, but when one circuit is broken by the movement of the armature of M, the battery current acts in only one helix and attracts the armature at the same time as the armature of M, moves.

The polarized tongue i, of the electro magnet D.M, is shown in Fig 1, as acting, as a relay to the local circuit containing the battery h, and receiving magnet or sounder k, and in Fig 5,

this electro magnet X, acts as a relay to the second local circuit and battery Y, in which is placed the receiving magnet or sounder m,

In Fig. 6, the differential polarized magnet D.M, instead of being in the same bridge 10, 13, with the receiving magnet M, as before; is made as a compound differential polarized magnet, in which there are four relices so wound that the outgoing current from 14, will operate in the relices 61, 62, while that from 15, will act in the relices 63, 64, and these relices being wound in opposite directions, the cores passing through 61, 63 and 62, 64, respectively will not be magnetized, the magnetizing actions being opposed to each other, hence the polarized tongue i, between the cores will not be moved one way or the other, but the incoming current from the distant station will pass from I, through 62, 61 to 14, thence through the bridge wire containing M, and also through R^1, and R^2, to earth.

through the transmitting keys: owing to the great resistance of K^{r}, (which should be equal to the line) a very small portion of the distant currents passes to earth by this route. The distant current in passing through the helices $\frac{62}{18}$ & $\frac{61}{14}$, gives the respective cores a polarity to attract the tongue i, one way or the other, so that the tongue i, responds to the change of polarity resulting from operating the key K.K, (fig. 1,) at the distant station.

In Fig. 7, the same arrangements of transmitting keys as in Fig. 1, are shown, and the compound polarized magnet D.M, described in connection with Fig. 6, is introduced near the dividing points of the wires 14. and 15, and the electro magnet M, is made compound, having two helices wound in opposite directions, so that the outgoing currents neutralize each other in their tendency to magnetize the soft iron core passing through both helices thereby magnetism is not produced by the outgoing current, but the current

coming from the distant station passing in one direction through the helix 26, and back in the other direction through the core 27, produces magnetism in the core so that the armature of M, responds to the rise and fall of electrical tension of the current sent by the key K, at the distant station, and the polarized tongue i, of the differential magnet D.M, responds as aforesaid to the reversals of the circuit connections by the key R.K, at the distant station.

The rheostats and condensers in Figs. 6, 7, 8 and 9, are introduced for the same purpose and are adjusted to act in the same manner as the same instruments shown and described in connection with Fig. 1, and marked with the same letters of reference.

A modification in the construction of the magnet is shewn in Fig. 9, in which the coils or helices 21, 22, 23, and 24, connected with the wires

14, and 15, act as described in connection with Figs. 6, and 7, to move the magnetized tongue i, by the change of polarity, but there is an armature M, added, the spring of which is adjusted so that the armature responds to rise and fall of electrical tension thus dispensing with the magnet M, and making the one compound magnet shown in this Fig. 9, respond to the change of polarity or electrical tension or both, at the distant station but this compound magnet is uninfluenced by the currents sent out at that station because they are balanced in their actions therein as before described.

Electro magnets o. o', placed in branch or shunt circuits around the receiving magnet set up counter secondary currents to neutralize the secondary or inductive discharges of the electro-magnet D.M.

In Fig. 8, a modification of the circuit wires is shown. The magnet M, and differential magnet D.M, are the same

as in Fig. 7, but there are two artificial lines, with rheostats R^1. R^2, and condensers C^2, and these are separately connected to the respective magnets and to earth, so that the outgoing currents can be balanced in their action in D. H, by one artificial line to C, and balanced in the electro magnet H, by the other artificial line to C^1, independent of each other.

In Fig. 10, connections are shown that correspond to those shown in Figs. 1, and 5, so far as the receiving portion of the apparatus: the transmitting keys K and R K, are somewhat differently arranged. The battery is compound, part being opposed to the other part. The key R K, in a position of rest is open, and the key K, is closed, hence the portions 30, and 32, of the battery are short circuited through K, and do not go upon the line and the batteries 31, and 33, still act in the line, but 31, overpowers and more than neutralizes 33, so that the preponderating

force from 31, on the line is negative the earth being connected to positive: now if the key R. K, be closed, the portions 30, and 31, of the battery are short circuited, allowing the portion 33, to act and reverse the polarity of the current, as the positive pole of 33, is to the line. If the key K, is depressed the short circuits of 30, and 32, are broken and these portions 30, and 32, of the battery act in the line, but 30, contains a large excess in the number of cells and acts with 31, to neutralize 32, and 33, and produce a rise of electrical tension on the line: hence by this arrangement, the rise and fall of tension and the reversal of the polarity of the currents are attained without the peculiar keys shewn in Figs. 1. and 7.

D M, Fig. 11. is a polarized relay having the line wire L, attached to the cross wire connecting the two spools together. The other ends are connected, one to a resistance coil R^c, and the other to an ordinary electro magnet O. The resistance of O, is equal to R^c.

10 Now when the current is made to circulate permanently through the two coils of the polarized relay D.M, and through O, and R^c, its effect is balanced in the polarized relay M', as it passes in opposite directions through its two coils, but the magnet O, is charged. Now if the current be interrupted or suddenly decreased in strength the iron cores of O, set up an induced current in the helices surrounding it, and this current circulating within the circuit formed of O R^c, and the coils of the polarized relay D.M, passes in the proper direction through D.M. to make its cores magnetic, and the tongue is thrown to one side: if now the circuit be closed or the strength of the current increased the magnet O, will in the act of charging set up another inductive current which now circulates in the opposite direction and throws the tongue of the polarized relay in the opposite direction, ~~and throws~~ The tongue is to be adjusted so that the weak current from battery 12, at the distant station will

21

not produce sufficient induced current by its passage through O, to affect the tongue of D.N, but only when the battery 11, is put to line; hence the polarized relay will not respond only to currents transmitted from a strong battery 11. N, is a double coil relay which works by the weak current from 12.

The main current passes through the coil 27, in one direction, and if the transmitter K, is quiet, works the lever and the message is received. I use a repeating sounder g^2 to repeat the signals to the receiving sounder g^1 for the reason that in signalling with battery 11, the armature lever of N, receives a forward jerk and would give a false signal were it not for the repeating sounder g^2 which owing to sluggishness and having to be fully charged etc, does not repeat the false signal on g^1.

I will now describe the method by which I prevent the battery 11, from affecting N.

Suppose the battery 12, is disconnected

and the battery 11, is put to line by the key K, the polarized relay responds and the lever of M, would also, were it not for the fact that owing to the rapidity with which the polarized tongue i, moves a second circuit is closed which contains a resistance coil R^7 and a battery h, adjusted in such a manner that a current passes through the second coil 26, of M, equal to that passing through 27, from the battery 11, hence the effect of the strong current from that battery 11, is balanced in M.

Within this equating circuit is placed a relay h, which operates a receiving magnet n, from which the signals of the polarized relay D M, are copied.

It is obvious that the current from the battery 11, will pass through the coil 27, on magnet M, before the equating circuit can be closed, and the effect is to give the lever of the relay armature a quick forward movement, but the effect of this is neutralized by employing the repeating sounder S, before described.

13 In figure 13, the polarized relay is dispensed with and two separate relays used, both of which respond to the heavy battery while C, responds only to the weak battery.

M', and D, are both adjusted with high tension of armature spring. One message received upon M, is indicated by the sounder o^2 while the other message is received upon M', and sounder n^2.

The magnet D, is used to close the balancing circuit to balance the effect of the large battery within the coils of M. The magnet M', might be taken out of the main line and inserted in the balanced circuit h, R^7, and produce the same effect.

Another modification is shown in fig. 12. D, is adjusted to respond to the strong currents when the armature lever is away from the magnet. The main circuit is completed, which first passes through the coil of D, then to the earth through a resistance of several hundred ohms in R^4 Another route to the earth is through shunt wire x^u, to armature

lever of D, thence through point c^1, to the coil M, on the relay.

In this position the relay responds to the weak currents from the distant station. The tension on the retractile spring of the armature of D, being great, and the cores some distance from its armature, does not so respond, but when the strong battery is put to line the lever of D, is attracted and the strong current instead of passing through the coil M, now passes through the resistance R^2 and coil R: the effect of its passage through the coil R^2 is to weaken the total current nearly as much as it was increased by addition of battery power so that the electro magnet M, does not respond to strong currents.

Fig. 14, shows a plan, and Fig. 15, is a perspective view of devices for magnetizing the tongue i, of the differential magnets D.M, and adjusting the polarity of this tongue i. This tongue i, is connected at one end to the iron standard s, and contiguous to this standard s, is a magnet

t; said magnet may be a permanent bar magnet as in Fig. 15, or an electro magnet polarized by a local battery u^2, and the magnetism passes from t, by induction through s, to the tongue i, and hence the tongue i, can be more or less strongly magnetized by adjusting the magnet t, nearer to or farther from the standard s, or by adjusting the rheostat R.

Fig. 17, shows connections similar to those shown in fig. 1, with the exception of the magnet M, and the electro magnet M, X, R, for balancing the effect of the static charge and discharge.

The magnet M, is provided with an extra magnet X, acting on the opposite side of the armature lever, but with a tendency to move the lever in the same direction as M. This magnet X, is placed in the condenser circuit and receives momentary magnetism at the moment when the current from the distant station is increased, decreased or changed in direction of the flow. The object of this extra magnet is to produce a more

powerful compensation for the effect of the static charges and discharges upon the waves as they pass over the wire from the distant station and through M.

When the line is very long and of high resistance and great electrostatic capacity, the first portion of a dash from the distant station will be very weak owing to the static current of the line. The effect of the condenser acting both within the triangular circuit as well as through the magnet X is to supply as it were, the current lost of the static phenomenon of the line.

M X, and M'X' are two electro magnets of equal size, resistance and power arranged in 14, and 15, in place of R^1 and R^2, as in fig. 1. Opposite M'X' is placed another magnet R X which may by the adjusting device p, be made to approach or recede from M'X'. This magnet R X is placed in a second artificial circuit. When the battery at

that station is augmented, or reversed the magnet R X becomes powerfully charged and this magnetism acting upon the cores of M' X' sets up a strong momentary induction current within the triangular circuit in a direction as regards the receiving instruments M, and D M, contrary to that of the static current from the line, hence a balance is obtained and the instruments remain unaffected by the outgoing current. M X, is used for the purpose of preventing the two angular wires from being unequal and thus setting up inductive currents on the passage of the distant current.

It is obvious that if the line be very long and of great electrostatic capacity that the resistance of R7 may be made so small that a very powerful current will pass through R X. The exact balance can also be readily obtained by moving the magnet R X to or from M' X'.

In Fig. 18, the same parts are shown as in Figs. 1, and 10, except that the

tongue i, works to close a circuit from the battery h, to either of the electro magnets k, or w, and these move the reversing key R K, similar to that shewn in Figs. 1, and 7. The battery B, is connected with this reversing key similarly to that before described hence a change of polarity in D M, moves the key R, K, first one way and then the other and thus the message is relaid or repeated into a new circuit, the object of this being to use the duplex or quadruplex systems before described on as long lines as convenient and then to make the magnets D. M, and M, repeat the messages automatically into new circuits extending still further. The entire apparatus and connections for repeating as aforesaid are shown in the diagram Fig. 19. which although it appears complicated is very simple: one line L, for instance comes from New York to one set of instruments at an intermediate station say Buffalo, and the other line L.L, extends to the

D

distant instruments, say at Chicago, in the other direction.

The keys and instruments are duplicated and exactly the same as shewn in Figs. 1, and 5, only there are two distinct set of instruments.

Suppose that a message over the wire 1, acts by rise and fall of tension in the relay magnet M, and that this message is repeated into the sounder or receiving instrument O', as before described. If the switch 40, in the local circuit of the battery f' is closed, the message goes no farther, but if the switch 40, is open the circuit of the battery f', extends to the electro magnet c, the switch of the key a, being closed, thereby the message received at M, on one line is repeated by c, and K, into the next line.

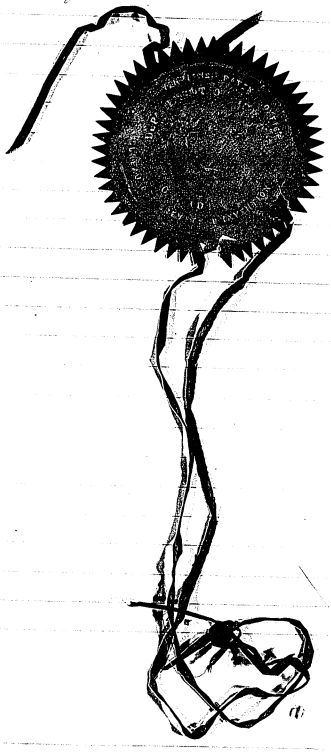
So in like manner the message received from New York in the differential magnet D.M, and repeated in the sounder m, will go no farther if the switch 42, is ~~open~~ closed but if the switch 42, is open the message

will be repeated to "Chicago" at the key 6, by the magnet d, and key RK that reverses the circuit in the same manner as if the finger key 6, were operated.

Of course by closing the switch 41, the message coming over the line LL, from "Chicago" and received in tt, will be repeated to "New York" and the same thing will occur in relation to the message received in DM, from "Chicago" if the switch 43, is closed. Thus one or more messages may be automatically repeated in long lines without interfering with the working of the other portions of the quadruplex instruments in either direction from the intermediate station.

In Fig. 10, the polarized magnet D.M. and circuit wires are the same as have before been described, but the magnet M, that responds to rise and fall of electrical tension is slightly varied. The armature 84, is polarized and swings between the cores of the electro magnet M, and at the outer end the tongue is between the springs 82, and 83, and these springs are strong enough to hold the tongue stationary except when the electro magnet M, is highly energized by increase of current from the sending station; when at rest the current from the battery 85, passes by the springs 82, 83, and block 86, back to the battery, but when the current is increased enough to draw the armature 84, towards spring 82, that is moved away from 86, the short circuit through 86, is broken and the current directed through the receiving magnet C, and it returns through spring 83, to the battery, and if the polarity of the current is changed and the strength of current remains, the armature 84, flies over against 83, and moves it

so suddenly that the magnet g will not have time to demagnetize in the momentary contact of both the short circuit springs with the block 80.



I claim as my invention.

First. The combination in telegraphic circuits of keys that produce a rise or fall of the electrical tension, keys that change the polarity of the current connected with the line, receiving magnets operated by rise and fall of electrical tension and polarized magnets that operate by change of polarity of the electrical current, substantially as set forth.

Second. The combination with electro magnets operated by rise and fall of electrical tension of relay circuits batteries and electro magnetic receiving instruments or sounders, substantially as set forth.

Third. The combination with a polarized relay magnet operated in the telegraphic circuit by change of polarity of the current, of relay circuits, batteries and receiving electro magnet or sounder substantially as set forth.

Fourth. In a telegraph arranged to operate by rise and fall of tension

and change of polarity of the electrical currents, the use of condensers, rheostats, or induction coils to neautralize the static charges and discharges substantially as set forth.

Fifth. The arrangement of circuit connections herein set forth and substantially such as shown in Fig. 19. to relay quadruplex or duplex telegraphic messages as specified.

Sixth. The arrangements of the telegraphic instruments and circuits for duplex and quadruplex transmission substantially as shown and described.

Thomas Alva Edison

New York, N.Y.
March 9. 1875

Signed in the presence of
Chas H Smith
Geo. C. Pickney

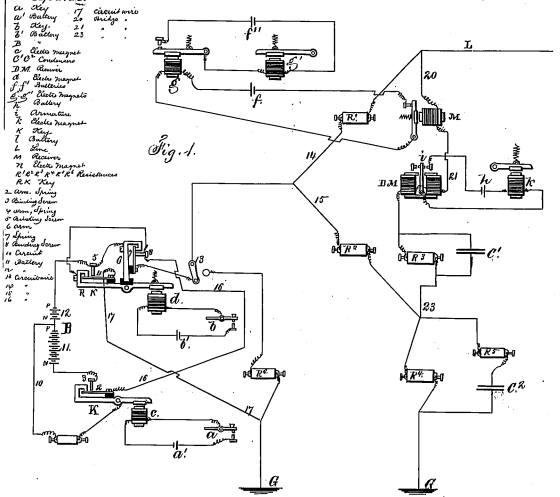
This is the specification referred to in the affidavit of Thomas Alva Edison, sworn before me this 9th day of March A.D. 1875

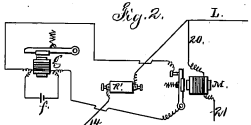
Chas H Smith
Notary Public
Kings Co

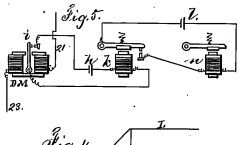
Improvement in Duplex and Quadruplex Telegraphs.

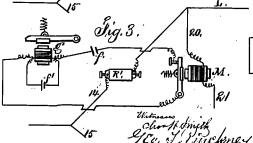
References

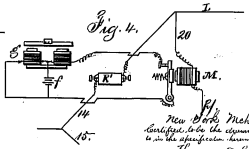
a Key
a' Battery
b Key
b' Battery
B
c Electro Magnet
C C' Condensers
D M Receiver
d Electro Magnet
f f' Batteries
G G' Electro Magnets
h Battery
i Commutator
K Electro Magnet
K' Key
l Battery
L Line
M Receiver
N Electro Magnet
R' R² R³ R⁴ R⁵ R⁶ Resistances
R K Key
2 Arm. Spring
3 Binding Screw
4 Arm. Spring
5 Binding Screw
6 Arm.
7 Spring
8 Binding Screw
10 Circuit
11 Battery
12 "
14 Circuit wire
15 "
16 "
17 Circuit wire
18 Bridge "
21 " "
23 " "







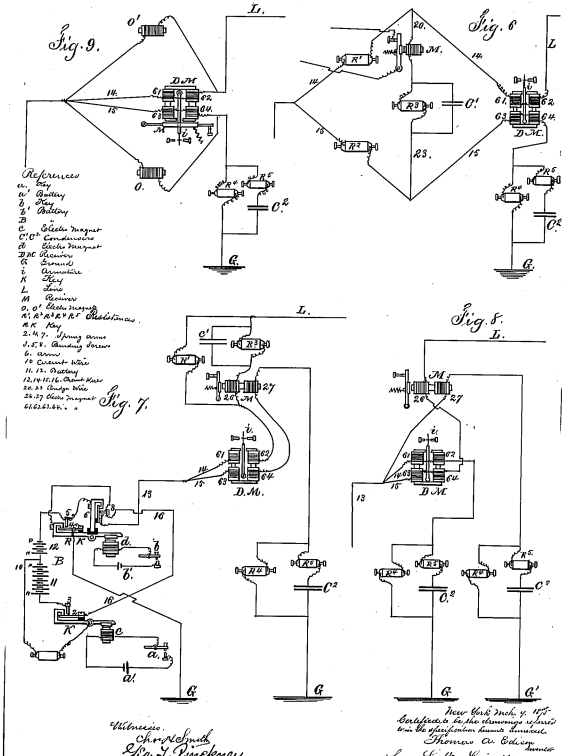




Witnesses
Chas. H. Smith
Geo. J. Pinckney

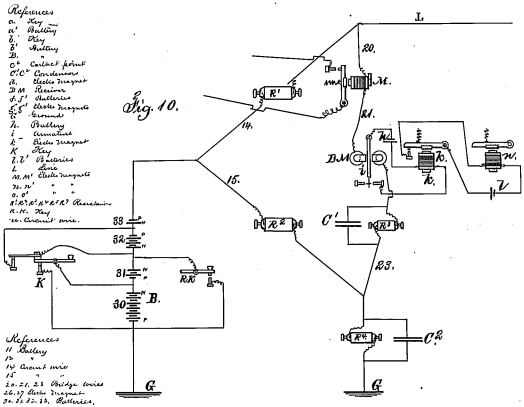
New York, Mch. 9. 1875.
Certified to be the drawing referred to in the specification herein annexed
Thomas A. Edison
per L. W. Serrell
atty

Improvement in Duplex and Quadruplex Telegraphs.

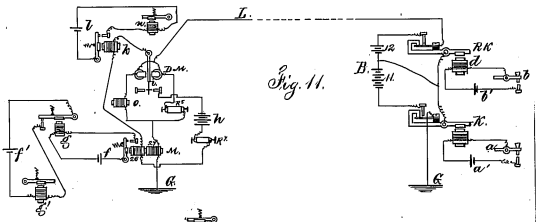


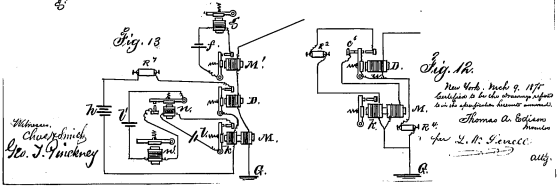
Improvement in Duplex and Quadruplex Telegraphs.

References
a. Key
a' Battery
b. Key
b' Battery
D. "
C. Contact point
C.' C.² Condensers
R. Relay Magnet
D M. Resistor
E.E' Batteries
G.G' Relay Magnets
G Ground
h. Battery
i. Armature
L. Relay Magnet
K Key
I.I' Batteries
L. Line
M.M' Relay Magnets
n.n' " "
o.o' " "
s.s'.s².s³.s⁴.s⁵.s⁶.s⁷ Resistance
R.R. Key
10. Contact wire.



References
11 Battery
12 "
14 Contact wire
15 " "
20.21.23 Bridge wires
26.27 Relay Magnets
30.31.32.38. Batteries.





Witnesses,
Chas. Schmidt
Geo. T. Quickney

New York, March 9. 1877
Enclosed is for the drawings referred to in the specification herewith annexed.
Thomas A. Edison
Inventor
per L. M. Jewell
Atty.

Improvement in Duplex and Quadruplex Telegraphs.

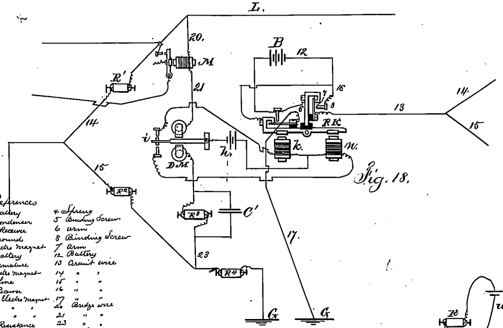


Fig. 18.

References

B	Battery	4	Spring
C'	Condenser	5	Binding Screw
DM	Receiver	6	arm
G	Ground	8	Binding Screw
S	Electro magnet	7	arm
h	Battery	12	Battery
i	armature	13	Circuit wire
k	Electro magnet	14	" "
L	Line	15	" "
M	Receiver	16	" "
MX	Electro magnet	17	" "
M'X'	" "	20	Bridge wire
n	" "	21	" "
R	Resistance	23	" "
R'	"	93	Circuit
R2	"	94	"
R3	"	82	Spring circuit closer
R4	"	83	do
R7	"	84	armature
RK	Key	85	Battery
RX	Electro magnet	86	block
SB	Secondary Battery		
t	Electro magnet		
w*	Battery		
X	Electro magnet		

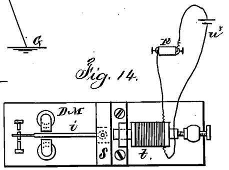


Fig. 14.

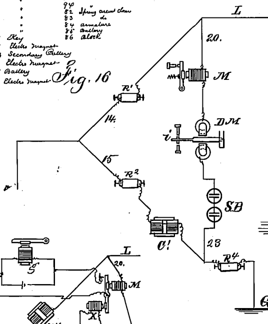
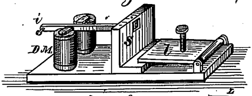


Fig. 16

Fig. 15.



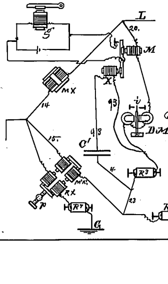
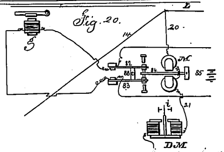


Fig. 17.

Fig. 20.



Witnesses.
Chas. H. Smith
Geo. T. Pinckney

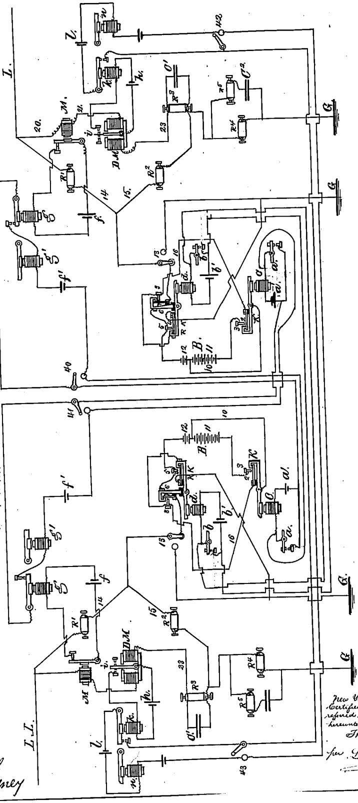
New York N.Y. March 4. 1875
Certified to be the drawings referred to in the specification hereunto annexed.

Thomas A. Edison
Inventor

per L. W. Serrell
atty

Improvement in Duplex and Quadruplex Telegraphs.

Fig. 19.



References

a Key
a' Battery
b Key
b' Battery
B Electro magnet
c Condensers
C'C² Batteries
ff' Electro magnets
gg' Ground
h Battery
h. Armature
k Electro magnet
K Key
l Battery
L Line
LL Electro magnet
d Receiver
DM Electro magnet
M Electro magnet
n Key
RK Key
R¹R²R³R⁴R⁵ Resistances
2 Spring arm
3 Binding Screw
4 Spring arm
5 Binding Screw
6 Arm
7 Spring arm
8 Binding Screw
10 Circuit
11 Battery
12 "
13 Circuit wire to switch
14 " "
15 " "
16 " "
20 21 23 " Bridge wire
40 41. 42. 43 Switches

Witnesses
Chas H. Smith
Geo. T. Pinckney

New York Mch 9. 1875
Certified to be the drawings referred to in the specification hereunto annexed
Thomas A. Edison
Inventor.
per L. W. Serrell
atty

CANADA.

PATENT OF INVENTION

IN FAVOR OF

"Thomas Alva Edison"

For

"Edison's Duplex Telegraph"

ISSUED ON THE

12th day of April 1875, and Registered under No. 4648 in the Patent Office at Ottawa.

S. E. Dawes

Deputy Commissioner.

№ 4608

CANADA.

PATENT OF INVENTION.

Whereas Thomas Alva Edison of Newark, in the county of Essex, in the State of New Jersey, one of the United States of America, Electrician, [illegible] "The Patent Act of 1872," by his Petition to the Commissioner of Patents, stated that he had [illegible], in pursuance of [illegible] he [illegible] new and useful improvements on Duplex and Quadruplex Telegraphs, the title or name whereof is "Edison's Quadruplex Telegraph" not known or used by others, before his invention not being at the time of his application, in public use, or on sale for more than one year previous to his said application, in Canada, with his consent or allowance, and he has elected his domicile at the city of Ottawa, in the Province of Ontario, in Canada;

And whereas the said Thomas Alva Edison has also complied with the other requirements of the said Act.

The present Patent grants to the said Thomas Alva Edison his executors, administrators and assigns, for the period of five years from the date of these presents, the exclusive right, privilege, and liberty of making, constructing and using and vending to others, to be used the said invention of "Thomas Alva Edison" and which is called or known by the title or names of "Edison's Quadruplex Telegraph" and whereof a short description is as follows:

It consists 1st in the combination in telegraphic circuits of keys that produce a rise or fall of the electrical tension, keys that change the polarity of the current, connected with the line, receiving magnets operated by rise and fall of electrical tension and polarized magnets that operate by change of polarity of the electrical current, as set forth; 2nd in the combination with electro magnets operated by rise and fall of electrical tension of relay circuits, batteries and electro magnetic receiving instruments or sounders, as set forth; 3rd in the combination with a polarized relay magnet operated in the telegraphic circuit by change of polarity of the current of relay circuits, batteries and receiving electro magnets or sounders, as set forth; 4th in the telegraphs arranged to [illegible] by rise and fall of tension and change of polarity of the electrical currents the use of condensers, rheostats, or induction coils to neutralize the static charges and discharges, as set forth; 5th in the arrangement of circuit connections [illegible] to relay quadruplex or duplex telegraphic messages as specified; 6th in the arrangements of the telegraphic instruments and circuits for duplex and quadruplex transmissions, as described

But for fuller detail of the Invention, reference must be had to the Specification and drawing one duplicate whereof is hereunto annexed, and forms an essential part of this Patent.

Provided, that the grant hereby made is subject to adjudication before any Court of competent jurisdiction. And further, that this Patent is subject to the condition that the same and all the rights and privileges hereby granted, shall cease and determine, and the Patent shall be null and void at the end of two years from the date hereof unless the Patentee, his executors, administrators, or his assignee or assignees, shall within that period have commenced, and shall after such commencement continuously carry on in Canada, the construction or manufacture of the invention hereby patented in such manner that any person desiring to use it, may obtain it, or cause it to be made for him at a reasonable price, at some manufactory or establishment for making or constructing it in Canada.

And further, that this Patent shall be void if, after the expiration of twelve months from the granting hereof, the Patentee, his executors or administrators, or his assignee or assignees, for a whole or a part of his interest, in the Patent, imports, or causes to be imported into Canada, the invention for which this Patent is granted.

In Testimony Whereof, the Honorable Luc Letellier de St. Just, Commissioner of Patents has hereunto signed his name, and the seal of the Patent Office has been hereto affixed, at the City of Ottawa, in the Dominion of Canada, this tenth day of April in the year of Our Lord one thousand eight hundred and seventy-five.

L Letellier

Countersigned,

J. C. Taché

Deputy Commissioner

Office for Patents,

119 & 121 NASSAU STREET.

New York, Mar. 29th 1875

Dear Sir:

It affords me pleasure to inform you that on Mar. 27th 1875 your application for a Patent on Duplex Telegraph Case 111 was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months

Yours Truly,

LEMUEL W. SERRELL.

To T. A. Edison Esq

Office for Patents,

119 & 121 NASSAU STREET.

New York, May 17th 1875

Dear Sir:

It affords me pleasure to inform you that on May 14th 1875 your application for a Patent on Electric Signalling Instrument Case 109 was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months

Yours Truly,

LEMUEL W. SERRELL.

To Mess. Edison & Batchelor

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

119 & 121 NASSAU STREET,

New York, June 3rd 1879.

(P. O. Box 4080.)

Thos. A. Edison

Dear Sir

There are two of your Caveats waiting for your examination & execution (Nos 80 & 97) and I would like to see you about other matters as soon as convenient.

Enclosed I send bill of items that I believe come to yourself, and if you can arrange to let me have some money I will be obliged as I am very short.

Yours Truly

Lemuel W. Serrell

per H. Serrell

(R)

New Haven, Conn.
June 8th 1895

Mr T. A. Edison
Electrician
Newark
N.J.

My Dear Sir

I am informed that the examiner in the electrical class in the Patent Office has had charges preferred against him for malpractice, or misconduct, of some sort.

My information is not definite, and I write to you to enquire if you can give me any facts. If you know of any sort of irregularity, or misconduct in the practice of this examiner, either in your own business with him, or am informed of the same by others, will you be kind enough to give me his name, and if you know of any charges having been preferred against him, if he has had trial, or investigation, and if so with what result - your reply will greatly oblige

Very Truly
Yours Etc
Charles E. Bunce

Patent Office
Wilbur

E2575

June 14th 1895
10 & 12 Mad St
Newark N.J.

Chas. C Buell Esq.
Dear Sir

Electrical examiner Wilbur of the patent office I have never had any business with except though any attorneys & I have never heard of any irregularity or misconduct in his practice. I believe him to be strictly honest, he has had charges preferred against him by a party named Sawyer, a drunken newspaper correspondent lately which have been investigated & proven to be nothing more than personal spite.

Respectfully Yours
T A Edison
Per C.B.

Chas. C Buell
Car Department
N.Y. & N.H. R.R.
New Haven
Conn.

Lemuel W. Serrell's
Offices for Procuring
AMERICAN & FOREIGN PATENTS,
119 and 121 NASSAU STREET,
(P. O. Box 4089.)

New York, July 1 1875

Thos. A. Edison Esq
Dear Sir

I will have the spec. and drgs. for completing your English Patent on Quadruplex, ready for signature on Saturday next. Please call in on the morning of that day and sign, for the time for enrolling these papers is getting short.

Yours truly
Lemuel W. Serrell
C. H. Smith

Office for Patents,
119 & 121 NASSAU STREET.

New York, June 21st 1875

Dear Sir:

It affords me pleasure to inform you that on June. 18. 1875 your application for a Patent on Telegraph Apparatus Case 110 was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months

Yours Truly,
LEMUEL W. SERRELL.

To T. A. Edison Esq.

Received New York Sep 13. 1875
of T. A. Edison Esq Fifty dollars
on account of Patent business
$50 —

Lemuel W. Serrell

Recpt from Sewell
$150. per day account
Received for Autograph
Lines

New York, Oct 11th 1875

Thos A. Edison Esq.

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, &c. — ACCURATELY PREPARED AND PROMPTLY ATTENDED TO.

SAMUEL W. SERRELL,

Solicitor of American & Foreign Patents,

119 & 121 NASSAU STREET.

To Caveat No 61 Pyro. do	22	"
" " " 62 Dyer "	22	"
" " Quadruplex No 85.	18	"
" " Duplex " " 86.	15	"
" " " " " 87	15	"
" " Fees Nos 85 86 & 87 each	30	"
" Drawing for Long Sol. Dep	30	"
connection for Phiopia		
To Caveat Edison No 58 Automatic	25	"
" " " " 64	15	"
" " Fees Nos 58 & 64 each	20	"
" Balance for Case No 111	20	"
" Caveat on Electro Margoretes Perforator No 68.	15	"
" Current fee on " "	10	"
" License under Domestic Sel. Patent & Exp. Fee No 68	3	"
To Caveat on Perforator No 69	15	"
" " " " "	10	"
	$285	"
By Cash Sept. 18 $50.		
Oct. 13 50.	100	"
	$185	"
	100	
	due 85	

Apl 7 76. Check.

Got receipt full June 29 1876

Lemuel W. Serrell's
Offices for Procuring
AMERICAN & FOREIGN PATENTS,
119 and 121 NASSAU STREET,
(P. O. Box 4689.)

New York, Oct. 25 1875

T. A. Edison Esq
Dear sir
Please send me the model of the Perforator for use with your Impt. in Autographic Printing.
The press was received last week -

Yours truly
Lemuel W. Serrell
per W H Smith

LEMUEL W

[MEMORANDUM COPIED BY ALEXANDER MORTEN]

(1875)

"There is a gentleman here by the name of
"E. T. Gilliland, a manufacturer of telegraph and
other electrical instruments, whom I got acquainted
with since I got here. I have been in charge of this office.
Gilliland is an old wire operator, and is quite well
acquainted with Edison, and I believe worked at
one time with Edison. Mr. G. gave me some points
in the quadruplex line which may be of some
interest to you or Mr. Edison. I write fully upon this
a memorandum that Mr. G. gave me and if
thought proper I might give them to you.
He G. claims he worked on duplex and I think
Quad before Nicholson had any idea of getting
up a quad. Here it is.

Gilliland applies for a patent upon a certain
improved dial telegraph six months previous to
Nicholson's application for his two line alphabet
system, which he, N. claims his duplex and quadruplex
telegraph grew out of. The dial of Gilliland's was a
reversable movement dial and used the polarized
relays double keys and increased current. was abandoned
by Gilliland as of its impracticability. The plan by
which the three actions was obtained over one wire (as
used by G) was together with instruments found and
new one made given to Nicholson to be used to work
his alphabet over one wire. Gilliland has drawings,
explanations and proofs of a duplex invented by
Edison in 1868 which was tried at about that time
with instruments borrowed of the late Geo. B. Hicks.
instruments afterwards purchased by Gilliland of Hicks

and now in Gilliland's possession. Dillwood, attorney for Nicholson, who has been retained by Nicholson and Wm. Tel Co. stated to Gilliland that the fight would be between Stearns and Edison, with points in favor of Stearns, owing to the general belief existing at Patent office that Stearns being the inventor of the duplex was more likely to be the rightful owner of the Quad. Dillwood also stated that evidence of the 1868 duplex of Edison was also obtainable, to show that Edison was early at work upon duplex. You can write that for what it is worth. Mr. F. appears to be quite in earnest and is disposed to help you out if it comes to the test. Mr. F. is going to my in few days. I told him I would give him a letter to you and you can have a talk with him."

Quadruplex Etc

1875. Railroad - Port Huron and Gratiot Railway Company (D-75-009)

Correspondence, accounts, bills.

Not selected: duplicate bill.

FORM No. 34-A.

PENNSYLVANIA RAILROAD COMPANY.

UNITED RAILROADS OF NEW JERSEY DIVISION.

WAY FREIGHT. Newark, April 9 1875

Received of Charles Edison

one Box

MARKED: W. P. Edison, Supt. St. R.R.

to be transported to Port Huron, Michigan, St. Clair Co. and

delivered to ..... or order, upon the following

NOT NEGOTIABLE

IN ORDER to avoid DETENTION of Drayman, SHIPPERS are requested to FILL UP this BILL OF LADING and INVOICE attached.

TERMS:

1. The Company's liability is not to commence until the goods are actually received and ready for transportation, and is to terminate on delivery at the Company's wharf or depot, or such other convenient place as they may provide for that purpose, or if not sooner removed, shall terminate, without notice or demand, at the end of six working hours after they are ready for delivery at such point or place, and if not removed within that time they may be either held or stored, at the sole risk and expense of the owner or whom it may concern, and without insurance.

2. In the case of goods to be forwarded beyond this Company's line, their liability is to extend only to under arm portion of the route over which the goods are to be transported.

3. Except when their Agents are guilty of gross negligence, this Company is not to be responsible for injuries to goods that may arise from the dangers of the sea or railroad, canal, river or lake transportation, or from Providential or other unavoidable cause, or from fire, or from the effects of heat or cold, or from the perishable character or fragility of the goods themselves, such as furniture or castings, or from defective package, such as loss of contents of packages recovered with cloth, injuries from breakage of glass or other brittle ware, leakage of liquids, escape of grain or other small articles from bags, decay, rust or mildew, deterioration, loss of weight by natural causes, or other injuries from changes of the markets during the period of transportation.

4. Claims for loss or damage shall be made in writing immediately, and if delayed for more than ten days after the delivery of the article, or after due time for the delivery thereof, the Company shall not be liable. In case of loss or damage to any of the goods herein mentioned, for which this Company would be liable, it is agreed that they shall have the benefit of any insurance that may have been or may be effected on said goods, and shall in no case be answerable over to the insurers.

5. In pursuance of a law of New Jersey, passed March 16th, 1853, authorizing Railroad Companies to limit their responsibility to $100 for every 100 pounds of goods, unless additional compensation be paid, it is agreed that this Company are not in any case to be liable for more than a dollar a pound for the loss or damage to the goods carried under this agreement.

6. In the case of goods received for transportation from connecting lines, this Company shall have the benefit of any exemptions from liability stipulated for in the bills of lading given to the shipper or consignor.

7. The goods herein referred to shall be subject to a lien, and may be retained, for freight and charges on other goods, due from the party on whose account they are transported, as well as for freight and charges on the goods retained.

W. Barnes

Agent.

FORM No. 34-A.

PENNSYLVANIA RAILROAD COMPANY.

UNITED RAILROADS OF NEW JERSEY DIVISION.

WAY FREIGHT. Newark, May 11 1875

Received of Edison & Murray

one Box

MARKED: E. P. Edison

to be transported to Depot of P. H. & G. R.R. and

delivered to Port Huron, Michigan or order, upon the following

NOT NEGOTIABLE

IN ORDER to avoid DETENTION of Drayman, SHIPPERS are requested to FILL UP this BILL OF LADING and INVOICE attached.

TERMS:

1. The Company's liability is not to commence until the goods are actually received and ready for transportation, and is to terminate on delivery at the Company's wharf or depot, or such other convenient place as they may provide for that purpose, or if not sooner removed, shall terminate, without notice or demand, at the end of six working hours after they are ready for delivery at such point or place, and if not removed within that time they may be either held or stored, at the sole risk and expense of the owner or whom it may concern, and without insurance.

2. In the case of goods to be forwarded beyond this Company's line, their liability is to extend only to under arm portion of the route over which the goods are to be transported.

3. Except when their Agents are guilty of gross negligence, this Company is not to be responsible for injuries to goods that may arise from the dangers of the sea or railroad, canal, river or lake transportation, or from Providential or other unavoidable cause, or from fire, or from the effects of heat or cold, or from the perishable character or fragility of the goods themselves, such as furniture or castings, or from defective package, such as loss of contents of packages recovered with cloth, injuries from breakage of glass or other brittle ware, leakage of liquids, escape of grain or other small articles from bags, decay, rust or mildew, deterioration, loss of weight by natural causes, or other injuries from changes of the markets during the period of transportation.

4. Claims for loss or damage shall be made in writing immediately, and if delayed for more than ten days after the delivery of the article, or after due time for the delivery thereof, the Company shall not be liable. In case of loss or damage to any of the goods herein mentioned, for which this Company would be liable, it is agreed that they shall have the benefit of any insurance that may have been or may be effected on said goods, and shall in no case be answerable over to the insurers.

5. In pursuance of a law of New Jersey, passed March 16th, 1853, authorizing Railroad Companies to limit their responsibility to $100 for every 100 pounds of goods, unless additional compensation be paid, it is agreed that this Company are not in any case to be liable for more than a dollar a pound for the loss or damage to the goods carried under this agreement.

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7. The goods herein referred to shall be subject to a lien, and may be retained, for freight and charges on other goods, due from the party on whose account they are transported, as well as for freight and charges on the goods retained.

W. Barnes

Agent.

June	2	To Balance per statement rendered	1635	68		
"	9	To week ending June 9th	171	25		
"	16	" " " " 16	121	40		
"	23	" " " " 23	117	35		
"	30	" " " " 30	135	85	2181	48
		$20.00 paid out for repairing returned by mistake				
		Contra				
June	2	By balance per statement rendered	1160	08		
June	9	" Pay roll ending week June 9	45	50		
"	16	" " " " " 16	45	50		
"	23	" " " " " " 23	51	40		
"	30	" " " " " " 30	54	00		
"		By bills of City Railroad assumed & paid during month	78	39		
		By bills of Pt. H. & Et. Ry Co. assumed & paid during month	38	91		
		By Blacksmith during month	15	90		
		By repairs on barn & moving car shed in part	56	82		
		By feed bills paid during month	90	69		
		" Amb. paid, Wright for making construction on Pine Grove Ave	80	00		
		By Interest paid during month	15	38		
		By Sundry little bills	16	00		
		To Balance	183	57		
			2181	48	2181	48

June	30	To Cash of Collectors for bills rec'd			2[illegible]	48			
"	"	" " Dr. Commissioners			2[illegible]	97			
		" " Balance on hand			183	57			
July	7	" Cash receipts for [illegible]			182	73			
"	14	" " " " "			138	46			
"	21	" " " " "			150	00			
"	28	" " " " "			120	75			
Aug	4	" " " " "			179	65			
July	2	" Rent			16	12			
"	16	" "			17	00			
"	14	" Loan from John P. Sanborn			3000	00			
"	16	" " " Savings Bank			1450	00			
"	"	" " " 1st National "			200	00			
Aug	1	" Cash for old iron			97	83			
"	4	" Loan from John P. Sanborn			2000	11	7740	16	
		Contra							
July	7	By Pay Roll			55	00			
"	14	" " "			54	00			
"	21	" " "			54	00			
"	28	" " "			54	00			
Aug	4	" " "			55	00			
		Debt of [illegible]							
July	13	" Bill of [illegible]			22	16			
"	14	" Note 1st Nat'l Bank			1000	00			
"	16	" " Brockway			420	00			
"	"	" " bill of [illegible]			122	66			
"	28	" " " Stevens & Thomas			150	00			
"	26	" " " Billings & Co			166	67			
Aug	2	" " " Stevens & Thomas			49	61			
"	"	" " Note " W. P. Edwin			500	00			
"	4	" " Bill " N. Offat & Co			5	00			
		Amounts carried forward			2066	60	7740	16	

			Amts brot forward,	3066 60	7740 16
			City Railroad Co		
July	9	By	Bill of Mr Barnes, back pay,	812	
"	14	"	Note of John Johnston	1989 50	
			~~Bank Payment of Howard & Hole Note~~		
"	"	"	~~Note of O'Meier Bros~~	2[illegible] 90	
"	16	"	Note of O'Meier Bros	90 02	
Aug	1	"	M. Murphy, back pay	10 00	
			~~Stationery &c~~		
July	2	"	S. B. Wright	20 00	
"	3	"	H. Bolin	24 50	
"	3	"	S. B. Wright	54 90	
"	7	"	~~H. Bolin~~ Ford	34 25	
Aug	1	"	S. B. Wright	50 00	
		"	Reed & Blacksmith		
July	7	"	R. Curry	12 00	
"	9	"	Hay	5 65	
"	10	"	"	6 03	
"	"	"	~~Oats~~		
"	12	"	~~Reed~~	22 60	
"	26	"	Hay	4 74	
Aug	3	"	R. Curry	4 89	
		"	Interest &c	10 20	
July	14	"	Interest on Howard & Hole Note 20 dys	11 18	
"	"	"	Costs Johnston Note	123 08	
"	16	"	" " O'Meier Bro	9 95	
"	"	"	1st Nat'l Bank	1 85	
"	"	"	Wm Stewart & Co	39 94	
"	"	"	Stevens & Morris		
"	"	"	H. Shumway & Bank	1 72 20	
		"	Sundry expenses		
July	7	"	Hay's bill	8 85	
"	12	"	Telegram	11	
"	26	"	Inspection of [illegible]	2 00	
"	"	"	Bill of Moffat	3 75	
"	31	"	[illegible]	9	
Aug	4	"	Balance, on hand	9	
				7740 16	7740 16

Earnings Sarnia road May 587 Running Expense 361. CD
Road bills on June 6th small bills 282. Interest 4.TR. on notes
due monthly 1411. 2d ones Alternate Note 7,523 other notes 966 %
Today notes come due amounts to $[illegible] I have been particular enough.
Can not pay unless shortly. Capacity of Port Huron road $116.
is [illegible] per month. [illegible]
Port Huron Road owes 4693 & 550 of which is money & Cont.
for [illegible] Stockholders are will not require all, besides there is
due in small bills 164 — other debt does not notes falling
due in Orange 1 for $700. Here 1000, in banks

Port Huron Mich. Oct 23 1876

Dear Bro

I would of rote you before but have been waiting from day to day to hear from the new Company they have done nothing yet I told them to make up their minds by next Wednesday or for ever after hold their peace I told them we would buy or we would build around to Gratiot they could do as they pleased business is fair I put the two new cars on the Sarnia road to Morrow (Monday) I have got the switch done and it works nicely I will send you statement of both roads on the first of every month so you will see how wealthy you are getting I think they all want to see but Worten so I think they will get fighting among themselves before long should they concluded to do any thing by Wednesday I will telegraph you

remember me to wife & DOTT)

over

W P E

Port Huron & Gratiot
Street Rail Road

CONDUCTOR

Port Huron 1876

What State is there left in the union
for the Rebels Porter him would like
to Operate Answer W T R
is any thing taken in Canada

W. G. Bolton
Nov 23. 1876

Port Huron & Gratiot Railway.

Comparative Statement of Receipts and Operating Expenses, Month Ending Nov 30th 1875

RECEIPTS.	MONTH OF Nov	MONTH OF	TOTAL FOR MONTHS.
Balance	24910		
PASSENGERS.	35630		
COMMUTATION TICKETS.	1400		
BAGGAGE.	10290		
CARTAGE.	19467		
COMMISSIONS.			
COUPON TICKETS.			
MAILS.	100 00		
OTHER SOURCES.			
TOTAL.	101696		
NET BALANCE TO CREDIT.	18021		

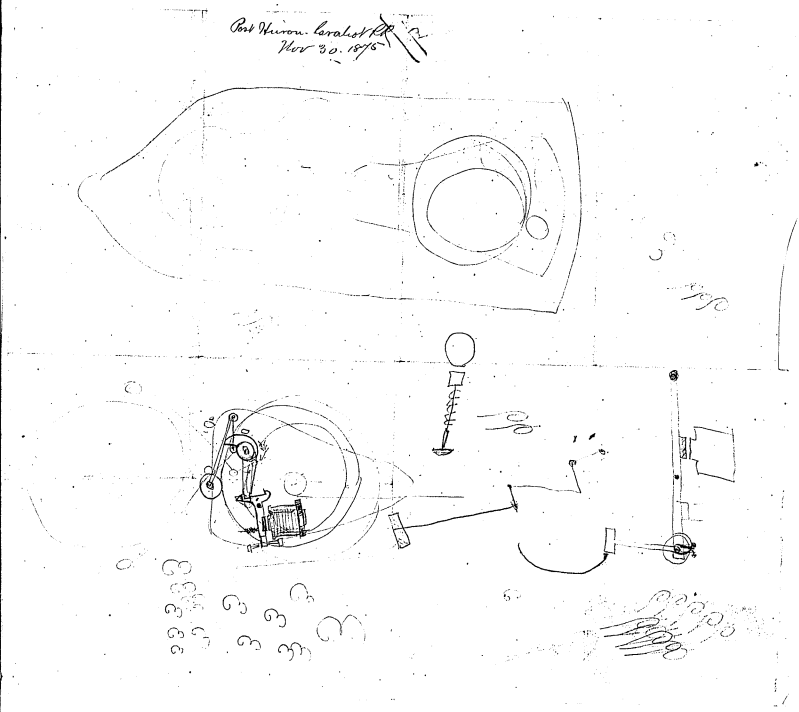
EXPENDITURES.	MONTH OF Nov	MONTH OF	TOTAL FOR MONTHS.
OFFICE EXPENSES.	6924		
SUPERINTENDENCE.	6924		
CONDUCTORS AND DRIVERS.	19968		
BAGGAGEMEN.	3340		
TEAMSTERS. Bans & Mc.	12659		
HORSES AND HARNESS.	1663.5		
PASSENGER CAR REPAIRS.			
FREIGHT CAR REPAIRS.			
WAGON REPAIRS.	35 00		
TRACK REPAIRS.	9837		
BUILDING REPAIRS.			
OIL AND WASTE.	245.3		
SNOW PLOUGHING, ETC.			
STATIONERY AND ADVERTISING.			
FUEL.	1485		
TAXES.			
INCIDENTAL EXPENSES.	1051		
Balance	18021		
TOTAL.	101696		
BALANCE TO DEBIT.			

I hereby certify that the foregoing is a true and correct statement of the Accounts of the Port Huron & Gratiot Railway Company.

C. F. Stewart

Port Huron, Dec 1st 1875

[ON BACK OF PRECEDING PAGE]



1875. Telegraph - General (D-75-010)

Correspondence, agreement.

Not selected: electrotypes of telegraph instruments, also found in Scrapbook, Cat. 1178, Miscellaneous Scrapbook Series.

Geo. L. Ladd.
Geo. H. Mansfield.
James Gamble.
T. D. Field.
H. C. Greenwood.

The Electrical Construction & Maintenance Co.

Telegraphic and Electrical Engineers, Manufacturers and Contractors.

134 Sutter Street.
San Francisco, Feby 10 1875

My dear Sir:

Have you a patent on a punching machine, to be used in connection with Automatic Telegraphy, which will punch the tape in Roman letters?

If so what are the chances for a firm getting the use of ~~the Patent~~ rights?

We have an Inventor here who has made what he calls a discovery, and for all that I know to the contrary it may be a useful one in Automatics, it is that paper on being soaked with kerosene will allow pencil writing to show through, and make a conducting film through the paper, of any character which may be desired. Is there anything new in it?

Yours truly
T. D. Field.

T. A. Edison Esq.

P.S. why dont you "see" those "Telegraph" fellows a little and shut up their howling – I know how it is myself.

32 Bethune St

New York
March 11/75

Friend Edison

There is a fine opportunity now for a new Quotation Teleg- I have been feeling the Pulse of the Brokers since the new deal- they are indignant at increased rates & would sign an agreement for a year at $15.00 per month with new concern- Cant you shake a good Dust out of your Box & stir up the animiles" I am still out of business & in hard luck generally- lost a child last week- dont forget me, if you can see a chance to use me Yrs P H Haughness

THE

BROOKS PATENT INSULATOR WORKS,

No. 22 South Twenty-first Street.

Philadelphia, April 2d 1875

Thos. A. Edison Esq.

Dear Sir: How do you come on with the induction experiments?

You remember that I ventured an opinion that placed on poles, the usual height from the ground, the inventions would not show much.

My advices from Paris are that Steaine is doing splendid on the main circuits, with the double transmission using the insulators. My son has arrived home and I expect to go there soon as I can get off.

What can you do for me with the P. A. in the way of inventions. And what do you think of my cross-arm insulator for no 3. other side. Call at Jellinson and see a sample.

Yours truly,

David Brooks

THE

BROOKS PATENT INSULATOR WORKS,

No. 22 South Twenty-first Street.

Philadelphia, April 5th 1875

Thos. A. Edison, Esq

Dear Sir: Yours of Saturday is received.

About insects &c occasionally in a shaded place spiders will spin their webs about the mouth of an insulator. That to some peoples nerves is shocking but when we take that insulator and fling it side by side with an ordinary glass in rain, and it ~~to~~ exceeds the glass ten to one, the cob web business then does amount to much. There is nothing collected about the insulator that cannot be removed in ten seconds with the wing feather of a goose or turkey. Those thus treated will show as good results as when first applied. I warrant them to stand three years, and by actual measurement exceed a common insulator in the proportion of 100 to 1. I sell them for a dollar per mile of two wires clean them and warrant them for three years longer. I did this when they were introduced on the Reading R.R. They as well as the Rome clean a portion every fall. Insects do their work in Aug. and Sept.

THE

BROOKS PATENT INSULATOR WORKS,

No. 22 South Twenty-first Street.

Philadelphia, ... 1875

The Reading have no trouble in working from Phila to Williamsport 250 miles with at least 20 relays in circuit. The Pennsylvania have three circuits of over 100 miles each, with over 30 relays in each circuit. With 3d class operators & actual cost most of these relays, such high resistance are, when placed on ordinary insulators as good as dead in rain. The insulation of these lines is high and is kept high by attention.

Now these lines have been in this condition for six years and they will not go back to glass on account of Cat webs or any thing else but that which carries them through rain and dampness.

In short if the sight of a cat web on a Brooks insulator shocks peoples nerves more than bad working lines on common insulators (the latter with or without cat web) such people are governed entirely by their prejudices.

I warrant the insulator not to break with ordinary use while handled. Nothing breaks after once attached under pole.

Very truly

David J. Brooks

THE

Brooks Patent Insulator Works,

No. 22 SOUTH TWENTY-FIRST STREET,

PHILADELPHIA.

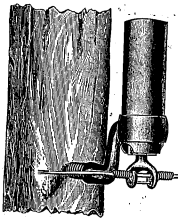


FIGURE 1.

This cut shows the Insulator as it is fastened to the pole, with the improved method of securing the wire.

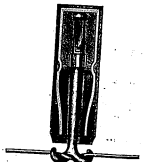


Figure 2.

FIGURE 2.

This cut shows another form of the Hook entirely dispensing with the tie wire.

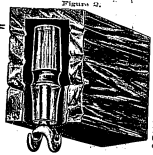


Figure 3.

FIGURE 3.

This cut represents the Insulator in a cross arm without the iron shield. It also presents a view of the Hook, in which the wire is placed without bending or injury. This Hook can be used with or without a tie wire; the latter not being necessary to keep the wire securely in the Hook. It can, however, be used for every sixth or tenth Insulator as may be necessary to keep the wire from slackening or rending through the Hook.

REDUCTION OF PRICES.

THE INSULATOR, fastened to cross arm, will be sold at the price, or cost, of an ordinary glass Insulator and its supporting wooden pin.

They are warranted *to exceed in insulating properties* more than one hundred times any other Insulator offered in the market.

Their strength and durability are also superior to any other Insulator, and are guaranteed.

PHILADELPHIA, *March 15, 1875.*

United States Senate Chamber.

Washington. July 1 1875

Thos. A. Edison Esq.
Newark N.J.

Dear Sir,

I have received your two letters for which please accept my thanks. Since hearing from you I have seen Prof Thurston of Stevens' Institute, Hoboken, who is editing the report, and he says that if the description of the Quadruplex is sent him within a couple of months he will insert it in the space I have left for it. Please address him directly & oblige. I will also send him the description

which you have kindly furnished
one of the motographs - although
is a little out of the line to
which I had intended to confine
myself - i.e. instruments exhibited
at Vienna, or those not so exhibited
which are actually in use in telegra-
phy.

Very truly yours
Robt. B. Lowe.
1466 R. I. ave.

Memphis Tenn July 4th 1875

Friend Edison

What will you give for an Improvement on your transmitter - That will do the following - When the Indicator hand is on any letter the type wheel will rotate until it comes to this letter then press will close and type circuit open - It can be regulated to send by increasing battery power from 10 to 40 words a minute - It works very steady and is so very simple it does not look as if it ever could get out of order - with this transmitter your gold and stock Instrument can be used for private lines - It does not take up half the room your transmitter does - and any one can work it - There is no crank to turn like yours - None of the connections are like the Kiney printers - I dont know whether there is anything about it like Burnells Instrument or not as I have never seen the Burnell Instrument to examine it - Have you a drawing there of Burnells Instrument - If so would like to see it - Will return it to you in good order two hours after I receive it - There is only one connection in it that I want to look for - with this transmitter your Inst can be used on private line faster than any printing Inst I have ever seen or heard of except the Hughes Inst - I put up all of

your printers here when they were first Introduced and have had to find all the Difficult Circuit trouble since that time - I have a good knowledge of them as well as the Gray's printer -

There is a point in the Duplex business I wish you would settle - viz - Did Stearns have any Idea of the Duplex before you went to Boston - when you was here you made a drawing of the Duplex and gave it to me - I have this drawing now - If I am not mistaken you told me when you was in Louisville in 1866 you had that day worked the Duplex successfully - I have always contended you was the first to work the Duplex in this Country - Is it so - I have watched your progress since you left here and I say now what I have always said - viz - That if your life is spared until you are 40 years old you will revolutionize the world with your knowledge of Telegraphy - well all I can say is good luck be with you and dont let all of these big sharks get your Improvements away from you -

What do you think of the Keeley Motor fraud, I see the Scientific American is terribly down on it, I believe however it will be a success - as I have seen a Cold locomotive run three miles up grade and it had no wood water or steam and had none on her for six weeks previous - I think I told you about this when you was here - I am as confident locomotives can be run without wood and water as I am confident I am writing this letter to you - Perhaps with my Ideas to start you in the right path, and your never failing energy you could make more money in one month at this than a life time at Telegraph Miracles - I have sent ~~about~~ East for castings to try this thing on a more substantial basis - all I want now is to get into some shop where I can have the use of a lathe & tools - and go to some place where I can have good castings made as they cannot cast here worth anything - There is an Instrument maker here by the name of Siensch (Patentee of a fine gonte) I can have the use of his shop and tools but he is too quick at seeing things and I am afraid of him - who could I get a good lathe & tools from and where is the best place to get Iron and brass casting done - Have you ever tried a H Baldwin lathe and how are they - Let me hear from you when you get time - I have just got the Sun of the 6th and see you are in it again - Yours &c S. O. Lyons Co.

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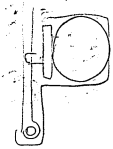
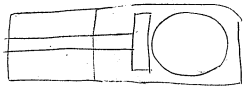


Dyer
July
1944



PEARCE & JONES,

MANUFACTURERS OF

TELEGRAPH INSTRUMENTS,

Galvanic Batteries, Models and Light Machinery of every description.

61 ANN STREET.

New York, Aug 4th 1875

Mr Batchelor

Dear Sir

will you be kind enough to let us know what you will make (for us) Enough condensers or condensers to equate the Atlantic Cable. and what is the best artificial cable, you can make, your answer to this will much oblige

Pearce & Jones

The Direct United States Cable Company, Limited.

16 Broad St. ~~Boston~~

16th Sept 1875

Dear Sir

I am in receipt of your letter of this date, which I will at once communicate to the Manager of the Co by telegraph & let you know his answer.

Yours truly

E. Stephens

Thos Edison Esq

Edison

"Please send me some Scientific Number. Send for next all

Watch please mail

Williams

Enclosed bill for

Williams
Operator
Sep 21 1890

J. B. FULLER,

ELECTRICIAN,

MANUFACTURER OF

Magneto-Electric Machines,

For Electro-Plating, Electrotyping, Electric Lights, &c.

MACHINES SPECIALLY ADAPTED TO NICKEL-PLATING,

496 Cherry Street,

New York, Sept 28 1875

T A Edison Esqr
Dr Sir

I send you herewith three samples of paper ~~sent through your instrument~~ the one at Boston from a by-pass machine, one ~~sent~~ done on a close circuit and the other on about 235 miles. I am sure it is enough to show a great improvement of speed being about 125 revolutions per minute above no break. I do not know this for sure you require to run for longer work, but it is quite probable that I may require some slight modifications this being the first machine, in order to test the rapid movement of this manner of operating. I should like your opinion of the work done so far.

Yours Truly
J. B. Fuller

New York Oct 11 1875

Mr T A Edison
Newark N J

Dear Sir

You can go ahead and manufacture one receiving Machine and one transmitting Machine for the transmission of Brokers orders from their Offices to Locked Boxes in the Stock Exchange,

If the Machine performs the Operation satisfactorily I will pay your bills for the same, to an amount, not exceeding One Hundred and Seventy five dollars

Yours Respy
Edison Motor

JAMES PARTRICK. FRANKLIN S. CARTER.

The Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES.

No. 38 South Fourth Street.

Philadelphia, Nov 29 1875

Thos. A. Edison Esq
10 Ford Pl. Newark

Dear Sir —

We have been in correspondence with the Govt for sometime past in reference to an "Autographic Telegraph instrument" and have spoken of your — We have no doubt you will receive a letter in few days from Dr. A. Jackson in reference thereto and making proposition for building the same for the Govt, Anything we can do to further your interests we will do with pleasure, We however you will answer our letter in reference to the proposition and made you $125 Cash or $150 note — We are hard up and much have some kind of settlement at once, please reply & oblige —

Partrick & Carter

This communication, being upon OFFICIAL BUSINESS, may answer in reply, in order to be properly filed, is to be addressed as follows, viz: "THE CHIEF SIGNAL OFFICER, U. S. ARMY, WASHINGTON, D. C."

WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF

Telegrams and Reports for the Benefit of Commerce and Agriculture,

Washington, D. C., March 30 1875.

Mr. A. Elson, Esq.
No. 17 Wall St.
Newark, N. J.

Sir:

Having been informed by Messrs. Patrick and Carter, of Philadelphia, that you have in stock the Signal Department, I have the honor to request that you may communicate with the Office in relation thereto, furnishing a descriptive circular, or describing it fully in your letter.

Very respectfully yours,

A. Graham
Lieut. Col. & A. D. C.,
U. S. A.

Answered
that pay matters
are [illegible]
for our [illegible]
also sent [illegible]
[illegible]
[illegible]

WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF

Telegrams and Reports for the Benefit of Commerce and Agriculture,

Washington, D. C., Dec. 11 1876.

This communication being upon OFFICIAL BUSINESS, any answer in reply, in order to be properly filed, is to be addressed as follows, viz.: "CHIEF SIGNAL OFFICER, U.S. ARMY, WASHINGTON, D. C."

Mr. A. Elias, Esq.
No. 14 Wall St.
Newark, N. J.

Sir:

Having communication from the Office of this date, I have to inform you that an instrument similar to that of Barrett's or Myers, for the purpose of transmitting marks in writing by telegraph, is required, and the Office is informed by Messrs. Patrick and Carter, Philadelphia, that you are furnishing an instrument of this nature which will be an improvement on those named above.

Will you please advise the Office

Signal Office
Feb 11 1870

I enquire to whether this instrument will be in a state of completion to be furnished by Saturday next.

Very respectfully yours,

H. Jackson

1st Lieut. & A. D. C. Officer

Sig. Serg. refd.

This Memorandum of Agreement
Entered into this day of
by and between Thomas
A. Edison of Newark, Essex
County State of New Jersey party
of the first part and
Cole of the City State & County
of New York party of the second
part and N. S. Clark of the
City County & State of New York
party of the third part Witnesseth

Whereas - the said party of the first
part has invented a new printing
Telegraph and transmitting Mech-
-anism useful in transmitting
Telegrams from Brokers Offices
to the Stock Exchange and is
desirous of disposing of a portion
of his interest therein, and to
have it introduced, and

Whereas - the said parties of the
second and third part are
desirous of acquiring a certain
interest therein -

Therefore be it Agreed that if
the said party of the second part

shall pay for the experimental Machines a sum not exceeding one hundred and seventy five dollars, and will furnish all necessary funds to purchase one hundred complete sets of apparatus, or as many as shall be required, and to erect the necessary wires, & purchase the necessary appliances; He shall be entitled to a one third interest in and to the patent for such machinery, and one third of all nett profits arising from the use, rental or sale of such invention within the United States of America.

And if the said party of the third part shall give his whole time, talents and attention to the introduction and running of such Brokers Telegraph he shall be entitled to one third of all the nett profits arising from such sale, rental or use of said invention

Witness

Witness -

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rules of this Company require that messages received for transmission, shall be written on the message blanks of the Company, and that they are subject to the conditions printed thereon, which conditions have been agreed to by the owners of the following-named lines of telegraph:

JOHN VAN HORNE, Gen'l Sup't, LOUISVILLE, KY. } WILLIAM ORTON, Pres't, GEO. H. MUMFORD, Sec'y, } NEW YORK.

Dated Louisville Ky 9 1875

Received at

To T A Edison Esq

My dear Sir -

I take the liberty to address you for the purpose of asking a favor. I have heard a good deal of your System of Duplex. & Quadruplex. & If you can conveniently, I would be much obliged for a rough diagram of either, or both, together with such Explanations as may be necessary to make them clear to the average ability - If you can accommodate me with these diagrams I will be under obligations for the kindness

Yours Truly

E. R. Howe. W.U.T.Co

1875. Telegraph - Atlantic & Pacific Telegraph Co. (D-75-011)

Correspondence, memoranda, some by Edison; essays, agreements, accounts, bills.

The following notation, written by an archivist, appears on many of the documents: "Used in law suit: Edison vs. A & P and Domestic Telegraph Co. Apr. 1878."

Accounts and bills have been filmed after other documents.

See also: "Telegraph - Automatic Telegraph Company" (D-75-012), "Telegraph - Domestic Telegraph Co." (D-75-013), and "Telegraph - Edison & Murray - Orders" (D-75-018).

All selected.

Men select to take hold on the 15th of January.

On the night of the 14th Transfer to be made ready for next morning.

Same night an illustrated article is to be handed to Tribune for publication next morning.

Advertisement to be inserted next day in Wash Balto Phila NY & Boston papers

Then keep the thing boiling in all the papers

All right - go ahead

Jay Gould

Philadelphia, Reading & Pottsville Telegraph Co.

Reading, Pa., May 17th 1875.

Friend Edison.

As promised, I herewith send you a small map of the P. & R. R.R. and the branches along which this P. R. & P. Tele. Co. have offices. The Co. has 285 Tele. offices in Philada. and 235 Tele. offices along P. & R. R. and the branches. We connect at Philada. with the A. & P. Tele. Co. and give them a large number of messages daily, taken in at Philada., Pottsville, Reading and other points in our territory. We have recently started in this form Reading to Selinsgrove and will extend it to Catasauqua, Allentown, Bethlehem, Easton & Phillipsburg in a month or two.

Yours truly

W. H. Young
Asst. Supt.

P.S. Do not forget to have the

NW Spang,

May 17 1894

Polanyi electric [illegible]
is convenient [illegible] and [illegible]
like to use [illegible] for [illegible]
of Western Reserve [illegible]
[illegible] are used, [illegible]
Coils should be 20, 40,
50, 85, 100 & 200 [illegible]
And as you may want [illegible]
your own [illegible]
Polanyi [illegible]
3 connecting [illegible]
on the box [illegible]
wire connected [illegible]
join the line [illegible]

Did I [illegible]
you [illegible]
Battery [illegible]
Plunge [illegible]
Lime [illegible]
Solution, if so, how [illegible]
what proportions [illegible]
the solution? Should [illegible]
across any solution [illegible]
battery, [illegible]
Pick, plunge [illegible]
which does not [illegible]
or pure [illegible]
[illegible] the plunge [illegible]
[illegible] line [illegible]
[illegible] on page 111 [illegible]

Executive Offices of

The Atlantic and Pacific Telegraph Company,

No. 198 BROADWAY,

Thomas T. Eckert, President.
W. H. Guion, Vice-President.
E. G. L. Sweet, 2d " "
J. G. Smith, Actg Supt.

New York, June 26 1875

Thos A. Edison Esq.

Dr Sir —

I have a matter for your consideration, which I think will be found to be of importance to your company. & I am desirous of making your personally for the purpose of presenting it to you — I should be pleased to have you appoint a time & place where & when we can meet. Please meet it ten or twelve days in advance.

Yours Truly
A. Ashmun Ford
Norwalk
Conn

To A.B. Chandler c/o
Atlantic & Pacific

Copy

1875 Postal telegraph
Scheme.

①

ABC

July 26 1875.

I desire to lease one of the wires belonging to your Company between the Cities of New York and Chicago between the hours of 2 on the morning ~~and~~ 6.30 morning, for which I am willing to pay ~~4000~~ a rental of four thousand dollars, yearly ~~monthly~~ payable monthly in advance — I to transmit free of ~~charge~~ cost to your Company ~~all business~~ double the amount of business you now do ~~after~~ from 2 am to 6 am where but a single wire is OK. ~~to Chicago~~ between New York and Chicago, This circuit is to be connected with my office by loops erected at my expense,

Yours
T A Edison

Mr. Scott

I have sent the following letter to
A. B. Chandler Secy. A. & P. Tel

If your board will act favorably upon this, I propose to obtain 300 subscribers in New York and Chicago who will pay me 3 per month (a number have expressed willingness to do so) for the privilege of sending 100 words ~~night~~ Postal Telegrams for 00 cents.

Telegrams for St Louis Milwaukee etc to be put in early mail at Chicago, and those from Chicago to Boston Phila Balto & Washn to be put in early mail here;

I propose to have ~~an in operation~~ an office at N.Y. Buffalo & Chicago - ~~who~~ and to work ~~it~~ the line with my own machinery and appliances, and I think ~~that~~ you won't have to wait until your greyhoarded to see what can be done with a telegraph ~~manager~~ even on a small scale

~~If the A.T.&T. do not wish to test one hour this new and experimental at great expense to the telegraph~~ ~~will~~ considerable value The business which I would transmit would be created and entirely different from ordinary telegraphing & hurt neither the A.T.&T. or the W. Union. I have apparatus by which I can work direct between NY & Chicago. You may think it

Strange that I have not placed a Repeater by which long counts could be worked and the one wire Roman letter printing Telegraph upon the A.T.&P. wires. The reason is that what they have got is not handled to make it of extraordinary use. The business is and always was badly delayed and the merchants have been but too many times to ~~I have no doubt~~ thus increase it business patronize the line greatly ~~month and day for many months~~

I have done all I could to reduce this delay but I have no authority to make changes, without General Eckert makes some sweeping reforms ~~changes~~, etc. That boat will be a long time in creaking part.

Some people say ~~you~~ a person can't bore a two inch hole with a little gimlet, I believe Mr Orton is one who make this assertion, I have before me as I write a twisted wire & a little gimlet by which I can bore

in reference to you use of P&O against the wire

a beautiful round 2 inch hole,
which goes to prove that it
makes a great difference who
have the handling of the gimlet,

Yours
T A Edison

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 198 Broadway.

Thomas F. Gilbert, Treasurer and Manager
William F. Lyons, 1st Vice President
E. L. Ford, 2d Vice President
Albert H. Chandler, Secretary & Assistant Treasurer
Alfred Nelson, Treasurer

New York Oct. 22. 1875.

My dear Mr. Edison:-

I have detained your boy hoping to be able to send you the check desired - but Mr. Nelson, who is the only man in the establishment having any money, and who left us blank checks signed has been absent attending an important lawsuit in Brooklyn, all day, - and I find now that he will not be here again today. - hence I am helpless in the matter. - I am very sorry after the repeated delay - Having now your statement I will endeavor to go over the subject with ~~you~~ him tomorrow, and get it all straight. -

Chandler

SECRETARY'S OFFICE.

THE ATLANTIC & PACIFIC TELEGRAPH CO.

145 BROADWAY

New York Nov. 24th 1875.

Thos. A. Edison, Esq:
Newark, N.J.

Dear Sir:

I enclose to you herewith a check for $343.40, being amount due on bills for relays which, in taking up my bills to-day, I find in condition for approval, and which it gives me great pleasure to send you, hoping it may afford that relief and produce the delightful sensation referred to in your recent note to me on a similar occasion.

The first time you are in town please call and receipt the bills.

Yours, truly,

Albert B. Chandler

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

NOTICE.—These Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.
D. H. DATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.
24	T	8 Pm	T	Fearing's 102 Market St.

Dated, N.Y. Nov 30 Rec'd Nov 30 1875.

To T. A. Edison

Phone Send 2 men to Material here 5
Tomorrow Sure 10
A B Chandler 15
Get everything Ready 20
25
30
35
40

N. Y. Comp. Check, No. 2.

The cost of perforating 40 words upon the large Perforator is one cent =
Thus:

An average of 10 words per minute per day of 10 hours, (or 25 per minute when operated) gives 6000 words per day on each perforator The pay for which is 1,50 per day which gives 40 words for one cent =

The average message is 20 words
The cost of the paper perforated and the Blank for delivery, ink etc envelope
salary at Opr writing out message 3 mills
is 4 mills the rent of office 4 mills
~~the~~ repair of line 1 mill battery power
1/2 mill wear & tear machinery 1/2 mill
Making total Cost of sending and receiving an ordinary message placed in the Envelope ready for delivery is 13 mills or little over 1 cent @ a 1/2 the delivery 2 c which makes 3 cents 5 mills for Each message. If the Person sending the message should perforate it & the addressee receive the dot & dash slip then the Cost would be reduced From 13 mills to 6 mills for sending & receiving & 2 cents for delivery. for repeating this message between one point and another it would

cost 6 mills or Little Less than one cent
Consequently a message for San Francisco repeated
Chicago Omaha Denver & Salt Lake
The Cost would be 6 cents & 5 mills
delivered = In repeating a message
from one station to another for a distant
Station the incidental expenses such as
rent, repair Line, battery power, wear
& tear of Machinery paper etc should
be Counted, if this is done then a
message from N York to San Francisco
would Cost 7 cents 5 mills delivered
This Estimate is based on an increase of business
of to one as now done by W U Company about 1 dollar
& Costs the W U Company about 25 cents alone for Labor, material, battery,
Keep Line in order to ~~Supply~~ for transmitting
on message between N York & San Francisco

=

It will probably be necessary when the Washington office is in full block to have a sufficient number of perforators & operators to Transmit the ordinary Commercial business of about 150 000 words press = to Transmit 150.000 words press & get it off in Good Season it will require about 15 perforators for transmitting

The Commercial business 3 perforators
This will require 30 females 14 in the
daytime & 16 at Night - Office Manager
Chief Opr Man & Lady Chief Opr
The Cost of which will be

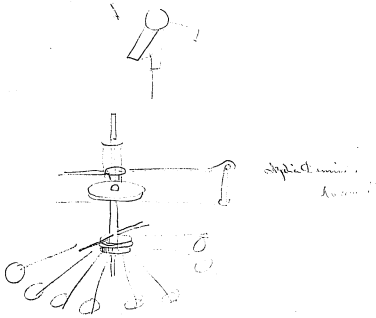
30 females at 1.50 per day	$45.00
Office Manager	4.00
Lady Chief Opr	4.00
Man Chief Opr	4.00
Clerk	2.00
3 Copyist Ladies	4.50
~~Total for~~	
Line Man	3.00
Battery Man	3.00
Total for Labor	69.50
Rent per day	7.00
Stationery - Paper	
Batty power	10.00
Ink pens gas etc	
Total	86.50

With this force doing 600 messages per day at 25c each making $150
(2) transmitting to the press 150 000 words at 5 words for one cent making $300.
making $450. per day ~~from this to be~~

~~deducted for NYork~~ for NYork alone
& Boston Balto Cincinnati Chicago
Philadelphia & St Louis take a
Copy then the total will be

$2,150.$\frac{100}{00}$. to be deducted from this
is the Costs of writing out in each
City which will amount to
$55. which deducted from 2,150
leaves 1,765 net profit = per day

[ON BACK OF PRECEDING PAGE]



Notes & Memoranda on the business & System of the Western Union

Amount of business between Cincinnati & Chicago = 325 ~~8.AK~~

Cincinnati	& Indianapolis	[illegible]
"	T Haute	12
"	N Albany	6
"	Louisville	375
"	Nashville	40
"	Memphis	50
"	N Orleans	50
"	Pittsburg	50
"	Columbus	12
"	N York	900
"	Cleveland	25
"	St Louis	275
"	Mobile	25
"	Galveston	15

6000

150
20
3000

10.

20

10.
600
6000
10.

2.
300

4

20 25
60
1500
6
6000

5000

10
25
5
20
25

List of Patent papers ~~Pay~~ Caveats to be made out.

Caveat

On Tub Printer

Compressed Air Perforator

Mechanical Printer old arrangement

do " New

Still later

shifting shield.

Unison Rest

Autographic

Universals

Patent

On single magnet printer

On sliding bar, foot power perforator

On cam notch. Hydes old expmth. Perf.

6 Key Perforator

Universals

Ink Recorder.

Big Perforator

Improd Big perforator.

1285

3443
1285
2,158

Some Ideas about Tel. Telegr.

1875 - (1)

Some Ideas,

Postal telegraph scheme

1st A neat little pamphlet book should be printed upon cheap paper, and in large quantities, in which is a peculiar telegraph map (small) of the U.S. divided in parts by red lines, within which the tariff is so much, and so much as you radiate from a given square, A Table of special tariffs, list of the principal branch offices in the main cities Some brief hints on, "How to write telegrams" cipher Etc, on giving immediate answers, and some interesting matter relating to telegraphy. The book to be universally distributed by messenger boys in business centres,

Make special contracts with large users of the Telegraph.

Print a Tariff map on the back of the delivery message blanks, & special tariff list in very fine type. (pearl).

By advertisements, phamplets, talk, and other devices, the A.Y.P may be made to appear to the public as of greater magnitude than it really is, = hence more business.

Establish between distant points where the necessity is urgent, a Letter Telegram Service operated at night only, with rates so low that it will attract urgent letters to the Telegraph — for instance Receive these special telegrams during the day and night to be transmitted at night for delivery next morning, say 50 words or less from Chicago 50 cents & 1 cent for each additional word, no message less than 50 cents These Telegrams will allow us to keep our perforating Operators busy all day; again the day business does not commence until 10 am hence our messager boys are idle, the delivery of these

Special telegrams received during the night could take place when the whole force was idle,

1500 – 50 word telegrams can be received and delivered between Chicago & NY in one night on one wire as they now are, at a total cost, of $145, including delivery gas, stationary, etc, Receipts $750.

The rate between San Francisco and NY for 50 words $1.00,

Under a given condition the cost of a 10 word message is 12 cents a 20 words message 13½ a 40 word message 16 cents, by increasing the number of words we give cheap telegraphy to the public while the increased cost, as you will see is trifling and will be returned a thousand fold by increase in the number of messages, or what is perhaps nearer the truth, diverting correspondence from the Mail to the telegraph.

The W.U.T.C. have no extra facilities to accommodate an increased number of words; for instance

between NY and Chicago they work 4 wires and the business is greatly delayed were the number of words increased to twenty, they would require 2 more wires again the increase in the words would increase their present business ~~tones~~ and they would probably require 6 or 8 more wires. With us the case is different with one wire worked automatic we have a capacity of 13 or more wires as worked by the Well. The policy of the Well has been as far as I can see to put the tariffs at a point where it will bring enough business to fully employ their wires, and to raise it when it increases beyond that point. It is manifest that with the automatic no such policy is necessary with our Company

Transmit if not inconvenient the N York money market free of charge to all points of any importance and place on a bulletin in the office, This will bring that class of Country people who dabble in Wall street to our offices and their aggregate business will be large,

Keep "semi weekly" advertisements in all the trade papers & dailies,

Have no such offices as is now known as main offices at enormous rentals, Have a Central office situated in a side street in the top of some large building that cannot be rented for other purposes, receive no messages from the public at this office, and collect your business from low rental branch offices, WE are the WL to do this. They would save $100000 annually without the loss of a message

* insertion in dailies twice each week,

Have solicitors of same address going among the business men and drum up business

When you do build a line anticipate the future and put up the best one that can be built. A single wire at 100 per mile which is always in order and upon which great speeds can be obtained is much cheaper than ~~ordinary sects, with~~ three ordinary lines at 35 each in constant disorder, with low rate of speed, reliability in telegraphy is an important factor

In putting up a short wire for instance between Oil City and Pittsburgh, do not use small wire etc with the idea that it will answer to carry all the business between those two points, but use the largest and best wire with the idea that in consequence which arise this short wire may form part of a circuit between NY and Chicago and full speeds and good conditions will be obtained

Do everything as far as possible by "piece work"_

Cut down high rentals, and put the money in advertising, drumming etc,

Give great attention to the delivery department which as at present managed is a weak spot in telegraphy;

And finally aged men and Telegraphy are incompatible,

JCK no 3rd man present at
[illegible] in a few
and [illegible] more [illegible]
5 men [illegible]

Largest outcrop comes on
[illegible] that we already have
[illegible] ~~and~~ but men [illegible]
[illegible] to bring the water
large lines with which we
[illegible] connect into
our system. The old wells
should be put in good
order ~~as great E~~

Government Printing Office

Work - Chicago
Special telegram
Scene

325
31

Each copyist is to be paid 3 cents per 100 words each perforator 4 cents per 100 words; Buffalo perforator 4 cent 100 words

~~Each~~ table man at ny to get 2½ cents for Each 100 words;

Table man at Chicago to get 3½ cents for each 100 words;

Chief Clerk accountemant & treasurer to get 1 cent on Each 100 words sent on whole line, both ways;

Solicitor to get 25 cents per month from the ff subscriptions,

Messenger boys to get 2 cents for each message

The General manager to get 2 cents for every message passing over the line, Syracuse, Buffalo Sandusky Detroit

Repeater men to get 1 cent each on Every message passing over line

Manager A & P Ny & Ch ½ cent each on Every message passes over line paid =

Table man to be manager =

Money for Retail by Bu Sy remitted Every Saturday night =

Thomas A Edison Dr _____ 187-

To _____

For punching _____ messages

containing _____ words

at 4 cents per hundred

Received Payment

_____ perforator

Thomas A Edison Dr _____ 187

To _____

For copying _____ messages

Containing _____ words

at 3 cents per hundred

Received payment

_____ Copyist

EDISON'S SPECIAL TELEGRAMS

Received by	Sent by	Time	Charges

_____ 187—

To _____

_____

/

This agreement entered into this
day of by and between Thos.
A Edison party of the first part and
party of
the second part witnesseth :-
That in consideration of value received, and of the further sum of Four dollars per month to be paid to the party of the first part at the end of each and every month for a period of twelve months from date. The party of the first part will during the night transmit by Telegraph, messages of one hundred words or less for fifty cents, and one half cent for each additional word between the cities of New York and Chicago Ill.

for delivery next morning, if the same shall be plainly written, and handed into the offices of said party of the first part before Eight o'clock P.M. The party of the first part further agrees, that should the wire be interrupted between said cities, the said Telegrams will be forwarded to the office nearest to its destination, and duplicate copies be made at such station, one of which will be mailed by first train, and the other held for transmission by Telegraph should the wires be in a condition for transmission during that night, and a notification of such interruption will be given if possible to the party of

the second part.

This party of the first part agrees to use all possible means to secure correctness and secracy, but will not be responsible for mistakes in transmission beyond an amount ten times the amount received for the service neither will he be responsible for non-transmission in case of unavoidable accident to the wire, but the party of the second part is to be duly notified the following morning, and the money received for such transmission returned.

Witness

(seal)

(seal)

This agreement entered into this day of , by and between Thomas A. Edison of Orange N. Jersey and the Atlantic and Pacific Telegraph Company of New York witnesseth:—

That for and in consideration of one dollar in hand paid, the receipt of which is hereby acknowledged and of an agreement to pay the further sum of $333 33/100 per month, during one year from date, the said Telegraph Company agrees to lease to the said Edison, the use of a through circuit from New York to Chicago Illinois between the hours of 2 A.M and 6.30 A.M. of each day for the transmission of special telegrams

It is further agreed by said Telegraph Company that in case it shall have but one circuit between said cities during the hours when the said Edison shall be entitled to a circuit, then the said Edison shall have exclusive control of such circuit, provided he transmits for the

said Telegraph Company pay equal to twice the amount which they transmit between those hours at the rate of this contract, and perform such service free of cost to said Telegraph Company.

And it is hereby agreed, it is to be shewn on the part of the Telegraph Company, that the said Edison shall be placed in peaceable possession of the leased facilities, during the hours provided, and separated offices. In to so shall release these hours from all responsibility to the Telegraph Company for rental.

It is further agreed by the said Edison that there shall be no Telegrams received from others than those with whom there are special contracts.

It is finally agreed that the said Edison shall furnish his own facilities apart from the offices of said Telegraph Co connection to be made by loops.

Machinery wanted (1375)

NY

Repairs Dillon

Two tables double ~~combed~~

100 Tin Reels

5 wet paper reels,

5 felt paper reels,

3 loose battery,

175 Cello Carbon battery 1 1/2

2 spring quilches

1 Learning machine,

1 Desk for treasurer Secy etc

4 battery glue.

Copying table,

8 Copying standards,

6 clocks for copying,

3 perforators

3 perforating paper boxes

3 perforator tables

1 large unwinding reel

3 crocks for wet paper

box parts for all kinds repairing

1 battery syringe,

1 Gas stove, 1

1 large battery crock

2 battery brushes

1 battery stands,

1 Carbon sulphuric acid

100 lbs Bichromate Potash,

Dynamic, ~~Sandusky~~ Clyde 25.00 3.00 .10

Mess Albright at London 6.00 220.00 200.00 5.00

Reifs 7.00 15.00 1.00

12.00 2.00 50.00

3.00 3.00

4.50 10.00 5.00

1.50 1.00 6.00 8.00 27.00

34.50.10

CJ

3 lbs office mucilage	395 10
1 paper double spaced tacks	3.00
2 doz white knobs,	0.10
12 chairs	1.00
10 inkstands, (insulators)	15.00
1 large bottle ink	1.50
gross pen & penholders,	1.00
6 boxes envelopes	2.00
10000 sending blanks,	6.00
10000 receiving blanks,	25.00
300 rolls wet paper	25.00
2 boxes perforating paper	12.00
1000 voucher bills,	12.00
~~One~~ 4 account books,	1.00
4 extra belts,	8.00
1 copying manifolder,	.50
20 wooden receiving blocks,	5.00
6 kerosene lamps,	10.00
1 broom	6.00
1 duster	1.00
	1.00
	$529 10
	100.00
	629 10

3. perforators.

Machinery wanted in Syracuse,

Battery, stand, brush and gas burner etc

100 cells battery,	25 00
2 Electromagnetos	600,00
300 rolls paper	200,00
two ~~[illegible]~~ shunt boxes	12 00
	$337 00
Two keys,	
Two relays,	
Two switches,	

Orthut 337 00
Sandusky 337 00

Buffalo

6 perforators	
2 tables	200,00
4 electromagnetos	100.00
175 cells battery	200 00
2 relays	
2 keys	
2 switches	
2 shunt boxes	
100 tin reels	25 00
4 wet reels	4 00
5 feet paper mr	
4 local batty	8 00
2 spring switch	3 00
1 learner instr	
4 bottle glue	7.50
4 copying slate	1.50
6 clocks for perforators	1 50
6 perforating boxes	48.00
6 perf tables,	10 00
1 large unwinding reel	8 00
3 cracks for wet paper	3 00
1 box parts for all kinds machinery	10 00
1 bell gong	3 00
1 gong chime	3 00
1 large bell crack	2 00
	685 00

[31]

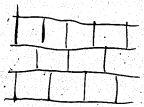
Buffalo

2 battery brushes	685-00
1 battery shield	1 00
1 battery sulphuric	6 00
100 lbs bichromate pot.	5 00
3 lbs ofo wire	27 00
1 pagan double punched box	3 00
2 dog white knobs	1 50
10 chains	1 00
3 bottles ink	15 00
6 ox pens 50 penholders	1 00
50 lbs soft paper	1 50
2000 wearing blanks	50
1000 vouchers bill	4 00
2 account books	1 00
4 extra bells	10 00
20 wooden wearing blocks	6 00
6 kerosene lamps	1 00
1 broom	1 00
1 duster	
	$785 50

Machinery for Detroit & Louisville same as my receipt

Machinery for Chicago same as N York =

New York Costs.	
Fitting up	25-00.
Machinery etc	629 00
Syracuse	350,00
Detroit	350 .00
Sandusky	350,00
Buffalo	785-50.
Chicago	700.00.
General Expenses	500.00.
	3,689,50.



1875

At do d home to
have written Gene E about
by at 9 Room,
Com Jewell bro of Jewell of
Eric =
He holds pas. 234 =
Jeotmy S+C like a mag
2 Nos B'd St
& wrote Case to like it on
Jutz pas, & Case wldnt
like it had several
wds abt it -
S+C said he wud like it
over to Baker at 9 board
he wud like it wldnt in
Jewell & Baker aint
bro. he got the parlicular
mag. Case new that
Jewell had pass
Jan 9 was over at S+C
talking abt the mag
Told Bk that he

(2)

turns over a portion of his
big to ____ a commission
office and then Case &
Mowry Smith divide the
proceeds, ____

if Gf aint a Com
op he prbly turn over
big to WU & get a
Com

Dispatch received from Stewart & Coleman about a
message from ~~Major~~ Jewell
to Gary Gould -
Cunningham boasts that he
will have all the information
from Dunot Cable when
it is built =

(1875)

The Country has been afflicted for many years with Monopolies of different descriptions - among them Tariff Monopolies and Telegraph Monopolies — the latter, perhaps, the most odious, in consequence of its wide ramifications, and well defined and grasping organizations.

The Country has reason to feel rejoiced through the firm establishment of the "Atlantic and Pacific Telegraph Co" which propose to extend its lines throughout the length and breadth of the land, that the Leviathan Monopoly, known as the "Western Union Telegraph Co" promises to be curtailed in its grasping dimensions.

It was in consequence of ~~this~~ the Monopoly of the "Western Union Telegraph Co", that the former Post Master General

at Washington made every effort to induce Congress to provide a Telegraphic system in connection with the Postal Department of the Government, and place the whole system under the charge of the same at Washington. Such a scheme would result in rash powers of centralization and virtually undermine the essential principles of the Government upon which its superstructure is founded: Yet the character of this rash monopoly was beginning to arrest the attention of our statesmen and by many it was thought, could only be reached in the manner proposed by the Post Master General.

Happily, by the extension of the "Atlantic and Pacific Telegraph Co", backed by ample capital, and the securement of the most recent inventions by which the whole system of Telegraphing becomes greatly simplified.

3

no such necessity will longer exist, for, the Commercial Community, together with the entire Public, will soon realize the difference in rates, which equal a reduction of at least 250% from Western Union Co' Tariff Schedules.

This Company is making ample preparations, and its Chief Office will be the "Astor House Building" of N. York, that old land mark, which has protected the great from many climes within its ~~ample~~ huge proportions.

The attention of the business commu-nity is keenly alive to all progress in the way of reduction of expenses, to conduct their business, and through which means, can it alone, be properly extended.

(Jan 12, 1975)

The character of General Eckert, the President of the Association is well known and is a guarantee of successful manage-ment and which, with the cooperation of an enlightened public in patronizing the new enterprise, undertaken for their good, will result in the mutual interest of all concerned.

The "Atlantic and Pacific Telegraph Company" are to make use of a system in the transmission of messages totally different from the Morse and which, as the inventor claims, will give each Atlantic and Pacific wire a capacity equal to ~~[illegible]~~ twelve Morse wires at an expense of keeping in order only one, by the Morse system.

They are also to use a recent invention by means of which 2,200 words per minute have been transmitted, in clear plain Roman letters, with only one operator at either end of the wire. This should give unrivalled facilities and insure good profits to Stockholders, at rates far below ~~the three~~ those at which any Morse system could exist

It is our purpose in the near future to go fully into the details of this grand enterprise when all the facts have been furnished, and our only design at this time is to acquaint the Public of the great boon that is in store for them.

Robert Browne
Newark, N.J.

Telegr. Cuts.

Telegraphic affairs have of late assumed a very interesting condition - both to the public & those engaged in the business. The effects of the opposition have already been manifested in the reduction of tariff by the W.U. Co. I suppose that should the A&P carry out their proposed arrangements of doubling the number of words to be transmitted at the present rates, a still further reduction may be looked for. By the way, Public sympathy seems to be with the Atlantic & Pacific Co. who have inaugurated this step towards cheap telegraphy, & the reduction of the rates of the W.U. only to the same scale that the A&P proposed this ~~came equally with those of the A&P~~ & only to those points reached by the latter Co. is used as a strong argument against them - The Community seems to think that if the present rates are remunerative - they certainly would have been so years ago & view the present reduction as being brought about, not ~~from any interest~~ ~~of the public in consideration~~ ~~W.U. has towards the public~~ but simply as an effort to crush out a Rival -

The ~~further~~ possession of Edison fast system - which have proved a perfect success, will be greatly to the advantage of the A&P in the coming struggle, & if one may judge from the present indications these

is good reason to believe that the A.O.P. will ultimately be successful; ~~a fact that~~ at any rate the large steady increase in business of late indicate a prosperous future for the Opposition. One thing however is quite certain - that the Fraternity will be in a great measure benefitted by the war now being waged. Low rates will bring with it a large increase of business, which will in its turn increase the demand for Operators throughout the Country.

Form 48 Large

(1875)

187

Mr. Edwin J. Murray

In Account with The Atlantic & Pacific ~~and Franklin~~ Telegraph Co's.

		Dr.				Cr.			
June	20	To Cash	3423.40	May 31	By Bills			23,068	17
Feb	29	" "	8916.65						
Mar	1	" "	1593.73						
"	31	" "	3500.00						
Apl	30	" "	400.00						
May	31	" "	2200.00						
June	30	" "	3054.39						
June	24	" "	415.00	June	22 " "	40	00		
				"	23 " "	375	00	415	00
June	29	" "	232.05	May	16 " "	22	50		
				"	22 " "	209	55	232	05
Aug	14	" "	227.90	July	6 " "	40	40		
				"	28 " "	187	50	227	90
Sept	2	" "	575.55	July	10 " "	40	40		
				"	30 " "	20	20		
				"	" " "	228	05		
				Aug	10 " "	20	20		
				"	7 " "	40	40		
				"	6 " "	20	20		
				"	2 " "	196	40		
				"	" " "	5	20		
				"	4 " "	4	50	575	55
Oct	4	" "	206.65	Oct	4 " "	187	50		
				"	" " "	18	75		
						5	40	206	65
			24,725.32					24,725	32

Newark, N. J., Mch. 22nd 1875

Mr Atlantic & Pacific Tel Co

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,	Induction Coils,	Marine Galvanometers,	Morse Keys,
Resistance Coils,	Diffrential Galvanometers,	Secondary Batteries,	Morse Sounders,
Condensers,	Electrometers,	Polarized Relays.	Philosophical App.
Submarine Keys,	Siemen's Ink Recorders,	Morse Registers,	Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

Experimental.

		1 sheet & experimenting on 2 Mon. Dist. Cable	$307	47		

Newark, N. J., Mch 29th 1875

Mr Atlantic & Pacific Tel Co

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,	Induction Coils,	Marine Galvanometers,	Morse Keys,
Resistance Coils,	Diffrential Galvanometers,	Secondary Batteries,	Morse Sounders,
Condensers,	Electrometers,	Polarized Relays.	Philosophical App.
Submarine Keys,	Siemen's Ink Recorders,	Morse Registers,	Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

Experiment

		1 experimenting sheet on 2 Mon. Roman Cable from 22 - 29 inc.	$330			

Newark, N. J., April 26 1875

Mr Atlantic & Pacific Tel Co

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,
Resistance Coils,
Condensers,
Submarine Keys,

Induction Coils,
Diffrential Galvanometers,
Electrometers,
Siemen's Ink Recorders,

Marine Galvanometers,
Secondary Batteries,
Polarized Relays,
Morse Registers,

Morse Keys,
Morse Sounders,
Philosophical App.
Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

		2 4 German silver wire adagmen of 10000 ohms each fitted in box complete	8/72		

Experimental Bill to
Atlantic & Pacific Tel
Unpaid

Edison

1875

May 15	Bills to date. balance wrt Mr. Cockey's books	23 068	17	Aug 4	Bill	4	50
				6	"	20	20
" 16	Bill	22	50	7	"	40	40
" 17	"	219	50	10	"	20	20
" 22	"	150		11	"	27	00
" 18	"	11	25	Sep 1	"	206	65
18	"	230	55	Oct 1	"	80	60
19	"	230	55	14	"	141	40
19	"	230	55	16	"	10	40
19	"	230	55	29	"	121	20
19	"	11	25	30	"	20	20
22	"	45		Nov 5	"	1465	
22	"	10	50	Dec 6	"	10	
27	"	209	55	" 3	"	1008	25
June 7	"	40	40			3176	20
23	"	373				26184	57
29	"	40				29363	77
July 6	"	120	80			276	
" 6	"	1	50	June		29639	77
" 8	"	20	20				
" 10	"	40	40				
June 21st	"	242	00				
July 26	"	187	50				
28	"	192	70				
30	"	248	25				
Aug 2	"	3	70				
4	"	5	20				
		26184	57				

also Mr. Cockey bill for Clickner & Bros. 200 & other bills collected

Used in law suit

Edwin W. A. P. & Nemaha Tel. Co. ... apr. 1895

A.H.P. Tel. Account
certified from clerk's
deposition. Mason.

T.A. Edison say Bills 29,363.77

Cash pd on full to

T.A. Edison	679.40	
Edison & Murray	24,725.32	
Mfg pd		
Edison & Murray	1572.40	
	26,977.12	
ABC pd	500.00	
Cash on do		
Nov 12	160	
" 19	210	
Dec 7	100	
" 16	200	
" 21	100	
" 31	100	
	870.00	28347.12
	Bal	1016.65

Newark, N. J., May 22 1875

Mr Atlantic & Pacific Tel Co

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers, Resistance Coils, Condensers, Submarine Keys, Induction Coils, Differential Galvanometers, Electrometers, Siemen's Ink Recorders, Marine Galvanometers, Secondary Batteries, Polarized Relays, Morse Registers, Morse Keys, Morse Sounders, Philosophical App. Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

		Mfg'd ale on 2 1 Mr Herman Cable Bill 39 - May 22 n.c.	351	60	
		1 3 Key perforator as per memo 307 at 60%	151	20	232 80

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon. Messages will be received only on the conditions printed on the blanks.

D. H. BATES, Gen'l Supt., Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.

Dated _____ *Rec'd at* 198 BROADWAY, 187

To Will in lawsuit:

Edison Vs. A+P + Domestic Teleg. Co. Suit Apr 1888

5

10

15

20

25

30

35

Van Ellech, Clark & Co., Printers, 26 Vesey Street, N. Y.

Bills for
Roman &
3 New Perf

Form 48, Small.

187

Messrs Edwin & Murray

In Account with The Franklin Telegraph Company.

Dr

June	29	To Cash		1410	10		
Sept	2	" "		162	30	1572	40

Cr

May	7/8	By bills	219.50				
"		" "	230.55				
"		"	11.25				
"	19	" "	230.55				
"		"	230.55				
"		"	230.55				
"		"	11.25				
"	20	" "	45.00				
"	22	" "	10.50				
"		" "	150.00				
"		" "	40.40				
June	29	" "	40.00	1410	10		
July	6	" "	40.00				
"		" "	1.50				
"		" "	20.20				
"	8	" "	20.20				
"			20.20				
"	23	" "	20.20	162	30	1572	40

Form 48, Small.

187

Mr Thos A. Edwin

In Account with The Atlantic & Pacific Telegraph Company.

Dr

Oct	1857 29	To Cash		276	00		
Nov	9	" "		60	00		
"	24	" "		343	40	679	40

Cr

June	10	By bills		276	00		
Nov	5	" "		60	00		
Oct	1, 29	" "		343	40	679	40

1875. Telegraph - Automatic Telegraph Company (D-75-012)

Correspondence, memoranda, some by Edison; agreement, receipt.

All selected.

Newark N.J. Jany 1 1875

J. C. Reiff Dr
To Thos A. Edison
Salary from November 5th 1874
to Jany 1 1875. as per
agreement $320

Recd Payment,

~~These receipts to be given when the money is paid~~ These bills are not to be presented unless said Reiff shall bring suit against my Estate from some Complications arising out of Automatic Telegraph Scheme

T. A. Edison

Baltimore Md
February 12th 1875.

Friend Edison,

Enclosed find a check for $94 dollars, This covers the amt. paid to Lipsey $84, and Lackerson $10. I should have returned this to you before, but have had so much to attend to overlooked it entirely. Please excuse my negligence. I also have received Lipsey's note endorsed by you, asking for $10 due him. The same I forward to Mr. Edwards who will send it to him. Mr. Edwards will hand you this.

Yours Truly,

C. B. Harrington.

P.S.

How are things. Hope you are in your glory, lots of money and plenty of work.

New York Feby 27/77.

My Dear Edison

Will you please get up a small "Kit of Tools" for Chief Operators Auth. Office, and ship as part of an Outfit. I have found such an Item an essential one. I am in Constant receipt of requisition for them from Delaney, Jersey City, Boston & others

Yours

Geo. A. Gray

Buffalo Apl. 4/95

Friend Edison - The last style of automatic transmitter & receiver is infinitely superior to anything yet produced. It works admirably, there is but one slight defect - the rubber wont do for transmitting channel, being unyielding it can't be adjusted so as to keep the paper flat on drum. I think you will find that in that channel a brush or some other retarding friction will be necessary - the new types are fine, perhaps the proper thing - but unless handled carefully in shipment magnets get snapped off by being pitched about - please have one sent to replace the one returned for repairs. - I think it would be a good idea to put a small single button switch on each table to switch on & off the auto batty put it between the receiver cup on table & the auto inst - this would in great measure prevent burning up of so many insts by careless people putting arms down - pulling wires out &c

Price on mine got broken -

I think the balance & pulley wheels on crank should be keyed - seems loose hold - Gives no power stiff - needs fine hammering shop - & some sort of an iron standard attached to the refrigerator or bench to place them in for winding - It would be a good idea to make some scrapers for the receiving cream something the size of the channel with small sharp edges that would scratch the nickel plating off - Sand paper & emery paper don't do it well & scratches the plate - Make the standards for dipping spools on table higher - some takes "too large for present size - try & make clock machine so that speed be regulated by screw that can put on the brake same with weight off the fly wheel vibrates & get thing loose enough especially when winding elongated - have no weights to add. They work a bit of a racket - can you obviate that too - I notice that fittings all worn remain in holes of tubes get up a circuit when plugs out turns the machine & varies the resistance - I had give more thorough cleaning - Hard to clean

Letters

Nothing there trifles so that
would let you have them

Yours truly Delany

Delayna
Letter

New York Apl 5/75

My Dear Edison

Will you please make me Four Mulls of this Orig with your Metal rim - & notify me when done So I can make requisition on you for them. If you have them "on hand" you know I'll have less nothing to do to get my requisition Approved. Can't you manage some way to send me one of your new transmitters - I'll manage to have one of mine condemned if necessary - I should have one of them at least to study - so that I may be able to advise Others, as to possibly location of trouble &c -?

Please hurry up the 3 Perforators for which I have made requisition If I had had them Friday & Saturday Could have done an immense amt. of biz - the 3 old ones I am going to return are as follows

1 Roman 1 Old are now used to
Patch with & no more? - I want more
Machinery = So as to be able to do a
Good days work, when the good
Day offers itself.
Blairs Wire did 23 messages
4238 words on
Friday How that? = Had the
~~Stereoptic been here it would~~
~~have run over a thousand~~
telegraph me if you are coming
Over tomorrow, If not I am going
to Newark - want to borrow
your Stereoptikon for a private
Exhibition at my Boarding House
Wednesday evening. Don't know how
to work it - want instructions
Yours &c
Gorton
Gorton
Oct 5
1883
something up.
I was sick all night & today I was laid down 2 hours
I am now [illegible] [illegible] my head is

J. C. REIFF, Agent.

OFFICE
Kansas Pacific Railway Company,
Automatic
No. 80 BROADWAY.

New York, April 1875

My dear Edison -

You will please furnish me at once with your opinion why we cannot go faster with Western Buffalo RY -

Please also state what you think necessary to improve it & what is necessary to work satisfactorily to Chicago direct

Yr J C Reiff

When the circumstance

(1875)

The Electric Pen Co

~~THE AMERICAN AUTOMATIC TELEGRAPH CO.~~

Articles of Association and By-laws.

ARTICLES OF AGREEMENT made and entered into this ~~31st~~ day of ~~August~~, 1877, between ~~Josiah C. Ruth~~, of the city of New York, State of New York; ~~Seyfort, McManus & Co.~~, Philadelphia; Wm. ~~M. Seyfort, Philadelphia~~; ~~H. C. Dallett, Jr., Philadelphia~~; John Elliott, New York; Alexander ~~Morten, New York,~~ T A Edison Chas B Jacoby

of the 1st part.

Electric Pen Co

The American Automatic Telegraph Company, a joint stock association, formed under the laws of the State of New York, and consisting of the undersigned stockholders:

of the 2d part.

The said ~~J. C. Ruth, Thomas A. Edison,~~ William M. Seyfort, W. J. Palmer, ~~H. C. Dallett, Jr.~~, A. B. Wood and ~~B. W. Russell,~~ trustees for and on behalf of the said association,

of the 3d part.

WHEREAS, certain patents granted for inventions of Thomas A. Edison, in or relating to or applicable to ~~the~~ multiplexing the products of autographic ~~tele~~ telegraphy and mechanical printers, have been issued ~~to George Harrington and the said Thomas A. Edison~~ under the name of "Improvements in Autographic Printing" which patents were granted in the Kingdom of France ——— 1876 in the Kingdom of Italy ——— 1876 in the Austrian Empire ——— 1876 and in Belgium ——— 1876 respectively, and whereas the interests of

propose after said delivery to take out patents for the same apparatus in other foreign countries, and whereas the said Edison has already published [illegible] for the sale of such apparatus in various foreign countries, but desirable for both of them to prevent vexatious the sale to allow the full benefit therefrom, and in consideration of entering into a Contract for the sale of such apparatus in the foreign Countries other than the Dominion of Canada!

jointly. And by certain instruments in writing, the said patents and also certain inventions of the said T. A. Edison in or relating to or applicable to electric telegraphy and mechanical printers, not yet patented, have been assigned as to two-thirds interest therein to the said George Harrington, the remaining one-third being retained by the said T. A. Edison. And as to that remaining one-third interest therein the said George Harrington has been invested by the said T. A. Edison with a power to sell the same in conjunction with the said two-thirds interest. Reference is hereby made to the following patents and contracts relating to automatic telegraphy, apparatus for perforating paper, mechanical printers and preparation of chemical paper and other devices applicable in electric telegraphy. And reference is also made to other applications on file in the Patent Office at Washington, for patents for inventions of the said T. A. Edison for duplex and quadruplex transmission of messages by electric telegraph:

PATENTS.

No. 121,001, dated December 5th, 1871, for an apparatus for perforating paper for telegraphic purposes.
No. 123,984, dated February 27th, 1872, for telegraph apparatus.
No. 124,800, dated March 22d, 1872, for a telegraphic recording instrument.
No. 133,841, dated December 10th, 1872, for type writing machine.
No. 132,456, dated October 22d, 1872, for apparatus for perforating paper for telegraphic use.
No. 132,455, dated October 22d, 1872, for paper for chemical telegraphs.
No. 133,019, dated November 12th, 1872, for an electrical printing machine.
No. 134,807, dated January 14th, 1873, for improvement in chemical telegraph.
No. 134,868, dated January 14th, 1873, for electro-magnetic adjustor.
No. 141,772, dated August 12th, 1873, for telegraphic circuits.
No. 135,531, dated February 4th, 1873, for telegraphic circuits.
No. 141,770, dated August 12th, 1873, for telegraphic circuits.

No. 150,848, dated May 12th, 1874, for telegraphic circuits.
No. 141,773, dated August 12th, 1873, for circuits for chemical telegraphs.
No. 141,775, dated August 12th, 1873, for apparatus for perforating paper.
No. 141,774, dated August 12th, 1873, for improvement in chemical telegraphs.
No. 141,777, dated August 12th, 1873, for telegraph instruments.
No. 150,847, dated May 12th, 1874, for receiving instrument for chemical telegraphs.
No. 147,312, dated February 10th, 1874, for apparatus for perforating paper.
No. 147,314, dated February 10th, 1874, for circuits for chemical telegraphs.
No. 147,313, dated February 10th, 1874, for improvement in chemical telegraphs.
No. 147,311, dated February 10th, 1874, for improvements in chemical telegraphs.
No. 151,200, dated May 26th, 1874, for automatic telegraphs.
No. 150,843, dated November 17th, 1874, for duplex chemical telegraphs.
No. 160,402, dated March 2d, 1875, for solutions for chemical telegraph paper.
No. 160,403, dated March 2d, 1875, for solutions for chemical telegraph paper.
No. 160,404, dated March 2d, 1875, for solutions for chemical telegraph paper.
No. 160,405, dated March 2d, 1875, for adjusting electro-magnets for relays.

And the said Thomas A. Edison has made application for letters patent as follows:

Solutions for chemical paper, filed June 4th, 1874, and allowed September 14th, 1874.
Improvements in chemical telegraphs, dated June 1st, 1874, and filed July 25th, 1874, being application No. 88.
Improvements in chemical telegraphs, dated June 1st, 1874, and filed July 25th, 1874. Application No. 89.
Improvements in chemical telegraphs, dated June 1st, 1874, and filed July 25th, 1874. Application No. 90.

Improvements in automatic telegraphs, dated August 7th, 1874, and filed January 15th, 1875. Application No. 92.

Improvements in automatic telegraphs, dated January 18th, 1875, and filed January 27th, 1875. Application No. 103.

Improvements in automatic telegraphs, dated August 7th, 1874, and filed January 15th, 1875. Application No. 93.

Solution for chemical paper, dated August 14th, 1874, and filed January 15th, 1875, being application No. 102.

Automatic telegraph instrument, dated January 18th, 1875, and filed January 26th, 1875. Application No. 104.

Recording points for telegraphs, dated January 18th, 1875, and filed January 26th, 1875. Application No. 105.

Preparing chemical paper, dated January 18th, 1875, and filed January 26th, 1875. Application No. 106.

Automatic telegraphs, dated January 19th, 1875, and filed January 27th, 1875. Application No. 107.

Automatic telegraphs, dated January 18th, 1875, and filed January 26th, 1875. Application No. 108.

Improvements in telegraphic apparatus, dated February 11th, 1875, filed February 16th, 1875. Application No. 110.

And whereas, the said title of the said George Harrington to the said two-thirds interest in the said patents and inventions, and the said power to sell the other one-third, were vested in the said George Harrington in trust for the benefit of the said parties hereto of the first part in certain shares and proportions, in conjunction with the said George Harrington and others, according to their several contributions of the funds expended in the development of the said inventions and the perfection of the same, and in procuring patents therefor, the share of the said George Harrington therein being in the proportion of 4,254 to 31,800.

And whereas it has been agreed by and between the parties hereto that a joint stock association shall be formed under the laws of the State of New York for the purpose of acquiring, holding and disposing of the said rights and titles of the said parties hereto of the 1st part respectively in and to the said patents and inventions, as well as other rights and titles therein and thereto, and in and to the

The business of the said Joint Stock Association not to conflict with the rights of the United Kingdom of Great Britain and Ireland, or of any other foreign country, except the Dominion of Canada.

(What shall be called the Electric Light Company)

patent rights and property of the Automatic Telegraph Company:

Now these presents witness that in consideration of the sum of one dollar in hand paid to them, the said parties hereto of the 1st part, and for other good and valuable considerations, ~~the receipt and satisfaction whereof are hereby~~ acknowledged, the said parties hereto of the 1st part do hereby respectively grant, bargain, sell, assign, transfer, and set over unto the said trustees party hereto of the 2d part, ~~all the right, title, interest, claim, and demand, of each of them, the said parties hereto of the 1st part, of, in or to any of the said patents or inventions, and of, in or to any patents heretofore granted for inventions of the said Thomas A. Edison in electric telegraphy, which have been issued to the said George Harrington jointly with the said T. A. Edison, or which may have been assigned by the said T. A. Edison to the said George Harrington either wholly or in part.~~

and the hereby granted & assigned property shall be called the Electric Light Exchange, & shall under the patents aforesaid, and hereafter to be granted, in other Countries for the benefit of the said parties hereto of the 1st part, in the same manner as if the said patents had been granted to the said parties hereto of the 1st part, of, in, and to any reissue, extensions and renewals of any patents heretofore granted, or which may be hereafter granted for the said inventions any or either of them, To hold the same and every part thereof unto the said trustees for The American Automatic Telegraph Company, party hereto of the 2d

And all the right, title, and interest, claim and demand of each of the said parties hereto of the 1st part, of, in, or to any of the inventions of the said T. A. Edison heretofore made by him in electric telegraphy, or in any processes, devices, apparatus, means or contrivances for use in electric telegraphy which the said T. A. Edison has assigned to the said George Harrington wholly or in part, whether the same have been patented or not, and whether the same are or may be the sole inventions of the said T. A. Edison, or the joint inventions of the said T. A. Edison and another, or others. Reference being specifically made to the schedule hereinbefore recited and to applications now on file in Washington for duplex and quadruplex patents.

And all the right, title, and interest, claim and demand of each of the said parties hereto of the 1st part, of, in, and

part, and their successors and assigns, in trust as hereinafter mentioned.

Article 2. The said rights, titles and interests mentioned or referred to in Article 1, above set forth, ~~and all other rights, titles and interests in~~ and to any inventions in ~~or relating to, or applicable to electric~~ telegraphy, which may be hereafter acquired by ~~or on behalf~~ of the said party ~~hereto of the third part~~, are hereby divided or considered as divided into ~~thirty-one~~ 32 thousand eight hundred parts ~~or~~ shares, which shall be the property of the parties hereinafter named in the following proportions, that is to say:

	No. of Shares.
Josiah C. Reiff	7,007
~~John McManus, executor of~~	43
Seyfert, McManus & Company	4,698
William M. Seyfert	320
William J. Palmer, trustee	540
John Elliott	200
~~Henry C. Dallett, jr.~~	60
Erastus Corning	80
J. J. Marsh	60
James Dallett, trustee	120
Alexander Morten	140
R. W. Russell	100
Southard Hoffman	10
Thomas A. Edison	3,000
William W. Henton	10
To be held by the trustees for George Harrington or his assigns	4,254
To be held by the trustees for S. B. Parsons or his assigns	500
To be held by the trustees for the stockholders generally	10,008
Shares	31,800

Which said number of shares shall not be increased, ~~for any purpose~~ at any time ~~be subject to any call or assessments~~, ~~as the trustees by vote of the board of trustees~~ a

Article 3. The said parties hereto of the third part and their successors, and other trustees appointed as hereinafter mentioned, are hereby constituted and appointed trustees of the ~~several~~ rights, titles, and interests aforesaid. And the trustees are authorized to receive a transfer as aforesaid from the said The Automatic Telegraph Company. And the said trustees shall have power to apply part of the funds coming into their hands to the payment of the debts of The Automatic Telegraph Company, and also to the purchase of the said shares of stock allotted to the said Edison.

And the trustees are also empowered to enter into a contract with R. W. Russell for his services, on the payment to him of a commission on the moneys coming into their hands for distribution under this deed of trust.

Article 4. The said trustees shall have power at all times, and from time to time, to sell, assign, transfer, or otherwise dispose of any property in their hands, or any interest therein, upon the best terms that can be obtained by them, either for cash or on credit, or for an absolute or contingent consideration, or for any shares of stock, property, or advantage to accrue for the benefit of the stockholders of the said association.

Article 5. The trustees are to account to each of the owners of the said shares for, and pay over to them, all moneys, stocks, and other properties which the said trustees shall have received, after deducting all costs, charges, and disbursements.

Article 6. It shall be lawful at any time, and from time to time, for the owners of three-fifths of the said shares to appoint, by writing under their hands, new trustees or a new trustee, in lieu of the said original trustees, any or either of them, to perform the said trusts and execute the said powers. All the powers of the trustees must be exe-

cuted by a majority of two-thirds of the trustees. The shares of stock held by them are not to be voted on by them, nor are they to be reckoned in the computation when a vote of three-fifths is required.

But no sale of any part of the property held by the trustees shall be made without the sanction of the owners of three-fifths of the stock, excluding the shares held by the trustees.

Article 7. The said parties hereto of the second part do hereby form themselves into a joint stock company or association, under the name and style of "The American Automatic Telegraph Company;" and the said property, rights, and interests of the parties hereto, as owners of the said shares subject to the said trust, are hereby declared to be a joint stock interest, divided into 31,800 shares, to be owned by the parties above mentioned, in the several proportions or shares aforesaid, and by their respective executors, administrators, and assigns.

And the said parties hereto do hereby declare that the trustees acting for the time being under the above articles of agreement shall be the directors of the said company.

And it is agreed that certificates of the ownership of the said 31,800 shares shall be issued in due form, to be prescribed by the trustees, to the several owners thereof. The said shares shall be transferable; such transfer to be made only on the books of the company; and new certificates thereof shall be issued upon the surrender of the previous certificates, and the trustees may provide for the issuing of new certificates in place of any that may be lost.

Article 8. The trustees and directors of the said company shall at all times during the continuance of the trust and association aforesaid, keep an office in the city of New York, where the papers and books of the trustees and directors shall be kept; and, among others, there shall be kept proper books showing who are the shareholders for the time being and the amounts of their interests.

The books, contracts, assignments, conveyances, and minutes of the proceedings of the trustees and directors shall at all reasonable times be open for inspection and examination by all shareholders and their agents; and the title to all patents and property of every description shall be vested in the said trustees for the time being, so that they may make valid transfers thereof.

Article 9. It is hereby expressly declared and agreed that the said trustees and directors shall not, nor shall any or either of them, nor shall the said company or association, have any authority whatever to incur or create any debt or obligation by or in behalf of the owners of the said 31,800 shares for the time being, any or either of them, or whereby their interests may be charged or prejudicially affected.

Article 10. The owners of three-fifths of the said shares shall, from time to time, by any writing signed by them, elect or appoint two of the trustees to be the president and treasurer of the said association, and a secretary, and may in like manner remove either of them and appoint their successors.

The sole management of the business of the association is devolved upon the trustees and directors for the time being.

It is hereby declared that the death of any stockholder or the assignment of his stock shall not work a dissolution of the association, but it shall continue as before, and the said shares shall be transferable in the manner hereinbefore provided, and not otherwise.

The owners of three-fifths of the said shares may at any time, and from time to time, alter and amend this present deed of trust, except Article 9, so as to correct any defects herein, and to better effectuate the object and intention of the parties hereto.

Article 11. The 10,608 shares of the stock held by the trustees are to be held by them for the benefit of the shareholders generally *pro rata*. But the trustees are empowered to dispose of any of the said shares from time to

time, and to apply the proceeds thereof to the payment of the expenses of taking out patents, making the necessary apparatus for experimental purposes and for tests, and for defending or instituting legal proceedings, and to pay the fees of counsel, and expenses in the litigation respecting Edison's inventions in duplex and quadruplex telegraphy; and also to defray any expenses of and incident to the said trust and the operations of the said association, and any liabilities heretofore incurred in behalf of the parties hereto of the first part, and their associates, in relation to their rights and interests hereby transferred to the said association.

In witness whereof, the said parties hereto have hereunto set their hands, the day and year first above written.

/ICE MESSAGE FORM.)

The Direct United States Cable Company, Limited.

Station, Sept 18 1885

Recd. from	Sent or handed to
Time ..... m.	Time 10 40 a m.
Clerk	Clerk A 7
No. of Message	No. of Words .....
From	To Rieff New York

Coissons neglect following Browns success London Dublin left no alternative have abandonment. Brown subsequently wired Malta London without relay, considered valuable

Station, 187

Recd. from	Sent or handed to
Time m.	Time m.
Clerk	Clerk
No. of Message	No. of Words
From	To

2

experimenting Harrington
saw only Anderson acci=
entally three months ago
promised Edisons immediate
departure did nothing ex=
pected said intended doing
nothing twelve months went

Time ____ m.	Time ____ m.
Clerk ____	Clerk ____
No. of Message ____	No. of Words ____
From	To

35

Switzerland not since heard from Cable early positive date of your and Edisons sailing may affect my movements golden fruit if Edison succeeds.

Gouraud

T. A. EDISON,

10 & 12 WARD ST.,

NEWARK, N. J. Decr 1st 1875

J. C. Reiff Esq.

Sir:

I will consent to approve the organization of the American Automatic Telegraph Co, and ~~agree~~ to transfer to that Co all my right, title & interest in the Patents mentioned in the schedule furnished by Geo Harrington in his assignment of April /75 & cancel therefor the 3000 Shares of the Stock proposed to be allotted, provided I am made a Trustee & the present Trustees will agree in advance to absolutely & formally release me from any ~~[illegible]~~ other responsibility under the Harrington Edison Contract of Oct 1/70 & the assignment & Power of Atty based thereon dated Apl 4/1871, which Contract Expired by limitation Oct 1/75.

I am compelled to make this special protective provision as I hear it intimated there may be an effort to lay claim to my services after Oct 1/75, without compensation ~~[illegible]~~

D A Craig

copy – to be returned to D.A.C. P.O. Box 988.

New York, Dec. 24, 1893.

J. C. Rapp, Esq.

Dear Sir. Yesterday I let Mr. Harrington see your letters & handed all the papers you gave to me, back inside, over to him, which, he stated, he had handed to you. If you have got them, you can see what I am now justified in believing of your solemn promises of friendship and co-operation. If you have not got the papers, I will furnish you with copies so that you can see what sort of a figure you may cut before an admiring world.

You know, of course, that your personally and solemnly assured me that my $50.00, cash, should have the same consideration as $50.000 cash actually expended by yourself or any other person in the development of the Automatic system. I expect you and your associates will make this

promise good, by entering into binding obligations as to the outcome of Automatic Telegraphy. My impression is that self interest, to say nothing of honor, will prompt you to hasten to satisfy my demands upon this point.

Then, you know you solemnly promised that I should be one of three or four people to share in Mr. Edison's new things. If you want me to respect you as an honorable gentleman, you will make your promises good in this respect, and without delay.

I think it right and proper that in all future arrangements or movements, looking to the control of Automatic Telegraphy, I should have as much influence and power as any other one person, & my judgement is that it will be beneficial to you and your associates, to assure me fully upon this point, and at once.

Respectfully yours
T. A. Edison

Confidential note to Mr. Edison.

It has suited the purposes of Harrington & his immediate associates, to array you and others against me — but apart from my protestations against the villainy of that man & his associates in his deliberate purpose to rob me after I had put him in control of Automatic Telegraphy, and brought him and you together, I have never done anything but good to you, and have never had the least feeling of unkindness to except what has oozed out of my pen when I have been recounting, really, Harrington's villainies.

I have waited five years for something good to come out of Automatic Telegraphy. In trusting to Harrington & his associates, I have trusted to a crowd of incompetent rogues, and I am seriously resolving upon a movement which, I am con-

fident, can be made reasonably and immediately productive of profit to myself and to all who will follow my lead. Our mutual and good friend Seffert knows something of what I can do to benefit you & others as well as myself, and he perhaps will tell you, if you ask him, what he thinks of my ability to take care of interests which Harrington & his associates have done their best to destroy.

I should be pleased to have a full, frank & friendly interview with you at your own convenience, & until that time, I am very certain that you will serve your own interests by holding all you have got in reserve.

Faithfully yours,

D. H. Craig

Money put in by
Automatic People

List of money put in by Auto people

John McManus	1,066
Seyfort McManus & Co	117,441
Wm McSeyfort	7 977
Wm G. Palmer	13 485
Elliott	5 000
H C Dallett jr	14,498
E Corning	2,000
J Dallett Trustee	3,000
Morten	1,000
Marsh	1 500
Parsons	12 500
Harrington	106 350
J C Reiff	176 400
Mellen	22,500
Ellison	75,000
	526,723

Money put in Oculomalia Telegraph

(No date but in with 1877 papers.)

(2)

Basis 350,000. 86,100

	Put in.	Receivers
Jay Gould { Hannington	106,850	
Parsons	12,500	
advanced Reiff	25,000	
	143 850.	95,586 . 31
John McManus	1,066	708 . 34
Seybert McManus & Co	117.447	78,041 . 89
Wm McSeybert	7,977	5,300 . 58
Wm G Palmer	13,485	8,960 . 60
Elliott	5,000	3,322 . 43
A C Dallett jr	1,498	995 . 80
E Corning	2,000	1328 . 94
J Dallett Trustee.	3 000	1993 . 46
Morton	1,000	664 . 49
Marsh	1 500	996 . 43
Reiff	146 400	97,280 . 78
Mellen	2,500	1,661 . 22
Edison	75 000	
Edison from Reiff	57,000	53,108 . 48
	526,723	350 000 . 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

Dr. Edison

3750 Shares C.E.L. at 70, 262,500
Reiff & Elmer 100,000
162,500

Automatic
For Division 162,500

	Stock	Stock
Sayff McM & Co	30,000	
Dallet	10,000	
Gould	30,000	
A.P.P.	24,000	
Employees	8,000	
Sundry parties	20,000	
Legal Expenses	10,000	
A.P.P. for Quinn	10,000	
J.C. Reiff	58,000	
J.A.E	10,000	
	210,000	

Money coming from C.E.L.
for use of Automatic ... Jul 15

Plans for paying much from nothing

1st Have A & P. pay automatic interests 5100 shares of Franklin stock now in A & P Treasury contract to deliver said 5100 shares to Western Union for 68½ per share
The Franklin Co has about 3200 miles of wire & a million stock which is at rate of $311,6½/100 stock per mile par or $218 at 68½ not including loops City wires & office fixture etc W.U. being about 200 at 80, This would be a good purchase for W.U. and they could buy enough more to make a valid lease cheaply = This divided equally gives you $95 586 31 cash

2nd Plan A & P to pay automatic interest 4400 shares Franklin & the Quadruplex patent & your share is same as plan 1. Taking the Quadruplex at 40,000 in part payment & turning it over to W.U. on their old offer, This will make them all safe from lawsuits in that direction, They can then readily pay 68½ for the 4400 shares Franklin

Plan 3rd Have A&P issue 2 million more Stock to pay Automatic of which they own there will be Control to sell the unsold to W&W in a block at 18 This with amount held by Union Pacific (if they hold any?) will Control,

4th Plan Have A&P issue Coupon bonds 7 per ct Convertible bonds to amount of 600 000 to pay for Automatic facilities,

5th Plan A&P to pay 200 000 cash The Quadruplex 500 shares A&P stock now in treasury then issue 200 000 7 per cent bonds, This would realize 350,000, perhaps they have not the cash

6th plan If the A&P cant pay for the Automatic System then sell to W&W for 420,000. in their stock at the market return 60,000 advanced & expended on it. & divide the proportion as in plan 1.

7th Reorganize The Stock make 4 million pref'd 6 million Common give present holders 3. 500000 pref'd + 3 million Com'l auto 500000 pref 3. million Common

8th Increase Capital Stock of Franklin to 2000,000. give automatic people 500 000 of this for use of automatic on Franklin + have A.T.P give auto people 3000 shares + 50000 Cash + 50000 cash. Total 8000 shares Then contract to deliver same to Western This would give Wd Central Franklin

This increase of the Franklin stock will give $622 stock at par for mile while the A.T.P. even if we include 1/2 of the Franklin has 1116 stock for each mile,

9th Have A.T.P lease auto system at 40000 a year for 10 year + 20000 a year for same from Franklin, Wd to guarantee this should they lease

10th Plan Issue 3 million A.T.P Stock according to original programme to be paid 7 per cent on the stock at 24 by Wd on a lease of whole Company

11th Don't sell the system to the A.T.P
or Franklin but transfer your mine & Reliff
& or 2 other of his people stock at Mercersburg
interest to the Kohl for 200 000, & let
the other people ~~which they~~ go to the
same place for there a

1875. Telegraph - Domestic Telegraph Co. (D-75-013)

Correspondence; memoranda, some by Edison; agreements, account (1875-1876), circulars, orders.

The following notation, written by an archivist, appears on many of the documents: "Used in law suit: Edison vs. A & P and Domestic Telegraph Co. Apr. 1878."

Orders have been filmed after other documents.

See also: "Telegraph - Atlantic & Pacific Telegraph Co." (D-75-011).

All selected.

Form 48. Large.

Used in law suit, Edison vs. A.&P. and Domestic Telg. Co.
Apr. 1878

_____ 187__

Mr. _____

In Account with The Atlantic & Pacific Telegraph Company.

Jan	1875 5	1 New Recorder	65	00
"	"	1 New Box	3	50
"	16	1 New Recorder	65	00
Mch	8	Wet paper	2	80
Apl	6	1 Recorder	65	
"	23	1 Box	2	
		Wet paper	2	
Apl	23	1 Switch	3	
	27	11 Boxes.	22	
		Wet paper	2	40
	29	16 Boxes	32	00
		Case & pack.		25
	31	1 Switch board	25	
		9 Boxes	18	
May	3	1 Box	2	
"	4	34 Boxes	68	
	8	Repairs to Recorder	12	
"	"	Wet paper	1	44
"	13	10 Boxes	20	—
"		1 Switch	10	—
	14	7 Boxes	14	—
	24	17 Boxes	34	—
	25	1 Relay	20	—
		9 Boxes	18	
		Wet paper	3	
	27	1 Desk	25	
		1 Table	6	
		1 Relay	18	
July	10	3 Relay	60	
	17	1 Relay	20	
		12 Bind posts	1	21
		9 " "		45
			651	34

Form 49, Large.

_____ 187__

M. _____

In Account with The Atlantic & Pacific Telegraph Company.

	Carried forward		661	34
July 24	1 Test Box		10	
	Wet paper		6	
	" "		3	36
	Men's time		38	10
31	Wet paper		1	20
Aug 2	Men's time		19	45
	1 Base (Domestic Box)		1	20
	Wet paper		3	12
	"		2	40
	"		1	56
	"		6	00
	"		2	40
	2 Morse Keys		11	
Oct 14	1 Sm Box		5	
	1 Relay & Fixtures		20	00
	Men's time		3	60
	2 Boxes		10	
Nov. 25	Wet paper		10	12
1876 Jan 12	Wet paper		1	68
			$1351	
Cr	Dec 8. 1874	$100 00		
"	" 12	100		
"	" 16	100		
	Mch 16 1875	200		
	22 6 Box returned	12		
	Nov 22. Cash	50		
	1876 Cash Patents	20		
	Mch 13 E A Hawes.	100	$682 00	
			$131 51	

This is what the Domestic Tel Co think is right to pay on Edison Co.

THE DOMESTIC TELEGRAPH Co.,

Executive Offices,

T. T. Eckert, Pres't.
J. B. Edson, Vice Pres't
D. G. Fornell, Sec'y & Treas'r.

52 Broadway,

New York 1st Mar. 1878.

T. A. Edison Esq
Dear Sir

I got the Send to telegraph to you yesterday asking you to send in early this morning that Fire Alarm Box just as it is so that I could show it (as per appointment) to a man this morning but have been disappointed by not having the same – He will be in town now and I hope you can have it here then as he is a cash man & I want to fix him out before he leaves or goes elsewhere – It certainly seems as though we should have something in the Fire Alarm

THE DOMESTIC TELEGRAPH Co.,

Executive Offices,

T. T. Eckert, Pres't.
J. B. Edson, Vice Pres't
D. G. Fornell, Sec'y & Treas'r.

52 Broadway,

New York, ... 187

direction by this time.

At the rate we are getting subscribers we shall also want District boxes quite as soon as they will be ready – Please give this your immediate attention

& oblige Your Truly &c

J. B. Edson
Y Pres't

THE DOMESTIC TELEGRAPH Co.,

Executive Offices,

T. T. Eckert, Pres't.
J. B. Edson, Vice Pres't
D. G. Farwell, Sec'y & Treas'r.

52 Broadway,

New York, March 12th 1875

Wm Edison & Murray
Newark

Please send to this office, at as early a time, as next Monday - not later - an Estimate for furnishing us, the following

200 Signal Box's -
(similar to the last one) with combination of numbers running from one to three hundred - to be japanned a dark black color - lettered on front by a stencil (which we will furnish) - With plain screws and washers in place of the brass binding posts - Also estimate same without Japanning &c. The above to be supplied upon a time stipulated - say 50 within

THE DOMESTIC TELEGRAPH Co.,

Executive Offices,

T. T. Eckert, Pres't.
J. B. Edson, Vice Pres't
D. G. Farwell, Sec'y & Treas'r.

52 Broadway,

New York, ... 187

one week from the date of order, and 50 each succeeding week until the order is completed.

Payment will be made upon receipt of each lot.

Your attention is called to the fact that the vibrating pendulum detaches from the verge, after a little use - Cannot a more secure means of fastening be devised?

Please also inform us how soon you can complete the six fire alarm boxes, with combinations, furnished some months since, together with the necessary apparatus within for "Talking Circuit" also state price of said six boxes delivered at Newark.

Yours Truly
D. G. Farwell Sec'y

Newark N.J. April 17th 1875

Mr. Thomas A. Edison of the City of Newark and State of New Jersey, in Consideration of the sum of Fifty dollars, to me in hand paid by James E. Browne of said City of Newark, the receipt thereof is hereby acknowledged, do Covenant and agree, and it is hereby covenanted and agreed, that I, the said Thomas A. Edison, will buy, purchase, receive and accept from said James E. Browne, or his assigns, One hundred Shares of the Capital Stock of the Domestic Telegraph Company, at the price and value of Ten (10) Dollars per share, provided the said stock be offered to me, at any time within six months from the date of this agreement, the said Stock to be paid for by me in Cash, upon delivery, at my place of business Number ten and twelve Ward St. in the City of Newark N.J. And should the said James E. Browne fail to present or deliver said Stock within said period of six months, then this agreement to be void and of no effect. It is further agreed that said Thomas A. Edison or his assigns, will be entitled to all the dividends upon said stock until such time as said stock may be offered or delivered to said Edison.

In Witness Whereof I have hereunto set my hand and seal this twelfth day of April Eighteen hundred and seventy five.

Thos. A. Edison

The time for the delivery of and the payment

for the one hundred shares of Stock mentioned in the above contract is hereby extended until the First day of February 1876 at which time the same is to be delivered, and paid for in the manner and upon the terms stated in the above contract with the allowance and payment of interest on the ~~fifty dollars~~ money from this date until the time of such delivery.

Witness our hands and seals this Fifth day of October 1875

Thos. A. Edison

J. E. Browne

The Certificate of one hundred shares of stock in the The Domestic Telegraph Company above mentioned has been duly offered to me this Fifth day of October 1875 and endorsed upon the back thereof with power of attorney authorizing me or my assigns to make the necessary transfers upon the books of the said Company, said offer is hereby acknowledged and it is further agreed that in consideration of the above extension of this Contract that should the said The The Domestic Telegraph Company become consolidated or discontinue business from any cause during the above extension that T. A. Edison or Edison or my assigns will accept said certificate as good & valid and pay for the same according to the terms of the above agreement

Witness my hand & seal this fifth day of Oct 1875

T. A. Edison

THE DOMESTIC TELEGRAPH Co.,

Executive Offices,
12 Dey ~~72 Broadway~~,
New York, Apr 20th 1875

T. T. Eckert, Pres't.
J. B. Edson, Vice Pres't
D. G. Fornell, Sec'y & Treas'r.

Dear Edison

Not having seen you today, I suppose you have dropped the matter in conversation yesterday and I therefore withdraw the proposition I then made to you about selling &c

Very Truly yours
J. B. Edson

OFFICE OF

THE DOMESTIC TELEGRAPH CO.,

No. 12 VESEY STREET.

Gen'l T. T. Eckert, Pres't.
J. B. Esson, Vice-Pres't.
D. G. Farwell, Sec'y & Treas'r.

New York, June 4th 1876.

Mr T. A. Edison

Dear Sir,

I would remind you of your promise to go ahead and submit a working sketch of the repeater and alarm fancy affair yet required for the Fire Alarm to enable us to make a proper Exhibit — We cannot possibly have it ready one day too soon — Washington is going to advertise for bids & for parties to come on & put up something in working order to make an Exhibit —

"Calls" are increasing steadily every day — We have only about 60 box & working — those just had 10 duplicate ones attend today so they will make ~~about~~ over a hundred — What we want is 300 working & then we will be making money — I think we can have them in by middle of July if Murray does not delay — Also I am in favor of starting

two other districts at once, one in Fulton St – & the other in the Enemy's camp in Broad St where it pays best! Perhaps we could get in with the A & P. in their new office there & show the boys upstairs.

Please hurry up the Repeater –

Yours &c

O. B. Edson,

Y.P.

O B Edson
Jan 21 88

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES.

No. 38 South Fourth Street.

Philadelphia, July 14 1875

Chas Batchelor
111 Broad St Newark N.J.

Dear Sir -

Our Hotel Annunciator for number first size is worth $1. per number from 20. to 50. numbers, - $1.50 for 50 to 100 numbers and over. - If you desire to put it up we will sell you the annunciator 20. to 50 numbers at $2.50 per number. 50 and over at $2 per number - Will guarantee it to be the best and most reliable annunciator only

James Partrick & Carter

You get the contract, and we will do what's right with you

L. G. Tillotson & Co.,

Manufacturers, Importers and Dealers in

Railway and Telegraph Machinery and Supplies,

Car Upholstery and Trimmings of every description,

L. G. TILLOTSON. | E. S. GREELEY. | *No. 8 Dey Street,*

P. O. Box 1714. | New York July 15 1875

Chas A Batchelor
Nye & Ward St
Newark
N. J.

Dear Sir

Your received
Complete Annt. in fine case
Etc 20 to 50 number $1.00
per No 50 to 100 No
$1.50 per do

Yours
J. H. Brunell

Michael Zu
Chicago

[illegible]	79 3/8
MJC	103 1/4
[illegible]	13 7/8
[illegible]	59 1/8
CRB	104 1/4
CYMI	39 1/2
[illegible]	38 1/2
[illegible]	15
[illegible]	22 3/4
H Paul	34 5/8
UP	72 1/4
AYP	19 1/2 @20

Narrow-Gauge Rail-Road Construction & Trust Company

78 & 80 BROADWAY,
5 & 7 NEW STREET.

New York July 21st 1878.

Dear Edison,

I am most woefully hard up, and I want 150 or 200 bad. Can you help me? If you would only lend me some of your A.P.T. stock (50 shares) for a month, I could borrow the money on it – or on Central Pacific. Domestic stock is, however, useless for this purpose.

Yours truly

Alex Morton

P.S. Please send me a line by return, marked "Personal."

I am working hard at Domestic, and hope to get it into good shape.

Form 4.

THE DOMESTIC TELEGRAPH Co.,

Executive Offices

52 Broadway,
REMOVED TO 18 WESTLEY ST.
New York Aug 31 *187* 8.

Mr. Wm. A. Edson,

Sir,

A Regular *meeting of the Board of Trustees of* The Domestic Telegraph Company, *will be held at the above office on* Tuesday, August 31 *187* 8 at 3 PM.

Very Respectfully,

Alex. Morton
acty *Secretary.*

OFFICE OF

THE DOMESTIC TELEGRAPH CO.,

NO. 12 VESEY STREET.

Gen'l T. T. Eckert, Pres't.
J. H. Ennis, Vice-Pres't.
Alexander Morten, Act'g Sec'y & Treas'r.

New York, 1 Aug. 4th 1875.

T. A. Edison Esq.

Dear Sir,

Please forward at once the balance of the dozen Yale locks and keys (9, I believe) paid for, and belonging to The Domestic Tel. Co. They are wanted for immediate use.

Also please send me by return mail, the first half of letter of Dr. L. H. Kohl of Omaha, without which I cannot intelligently understand and answer his letter.

Yours truly
Alex Morten.
Act'g Sec'y & Treas.

P.S. Please endorse in pencil on back of enclosed what are your views about Howi note – What proposition can we make him? – for a Royalty? or otherwise? and give me full points for this and future reference as to charge for instrument (on separate piece of paper) cost of wire per mile, we furnishing, cost of boxes, and of apparatus & recording instruments at head office – etc. etc.

OFFICE OF

THE DOMESTIC TELEGRAPH CO.,

No. 12 VESEY STREET.

Gen'l T. T. Eckert, Pres't.
~~J. D. Evans~~, Vice-Pres't.
Alexander Mortes, Act'g Sec'y & Treas'r.

New York, Sept. 11th 1878

T. A. Edison Esq.
Trustee.

Dear Sir.

Your presence is requested at an adjourned meeting of the Board of Trustees of this Company at 12 Vesey St. next Tuesday, the 14th inst., at 2 o'clock.

Yours truly,
Alex. Morten.
acting Sec.

Business of special importance.

Office of J. C. Reiff

2 Broadway.

Dear Edison.

Mr. Reiff asks me to advise you of an adjourned meeting of the Domestic Tel Co. next Tuesday at 10 A.M. at which he wishes you to be present without fail. This meeting is fixed at 10 to suit the convenience of Mr. Eckert. I leave myself for a holiday of a fortnight next Thursday, and it is especially important to have a full house at the meeting so that several matters can be settled before I go.

I congratulate you on our $1000 Contract. The money is very badly needed. Pastrick & Carter have drawn at 1 days sight & Gillotson must have more. I have promised them to settle this month. Cant we let them have a cash of this 1000 on apc next Wednesday?

am slowly recovering from my accident — but need a little change —

Reiff says dont fail to be at 12 veser at 10 A.M. Tuesday.

Yours

Alex Morton.

A Morton
Oct 1878

Wheelwright v. Edelman vs. A & P and Wheelwright Trust. to Jan. 1878.

OFFICE OF

THE DOMESTIC TELEGRAPH CO.,

No. 12 VESEY STREET.

Gen'l T. T. ECKERT, Pres't.
~~J. H. Hanson~~, Vice-Pres't.
ALEXANDER MORTEN, Act'g Sec'y & Treas'r.

New York, Nov 17. 1875.

My dear Edison.

Your note and suggestions as to Wright's application received and noted on - Thanks.

When you are here on your clerk please call in for that $5 due you. Yours by

Alex Morten.
act'g Sec'y.

I should like to see you about Company
Pres. [illegible]

Newark Dec 1st/75

T A Edison Esq

Sir

Mr Morton has not given me the shares of stock you transferred to me. I called & asked for them but did not get them. He does not seem disposed to let me have them. As I look to you & not to him for my Certificate please write & mail me an order for their delivery to me

Yours &c

James E Browne
110 Jefferson St
Newark
N.J.

(1976)

Statement of amounts of stock sold by different parties & amts due them.

Name.	Shares	Cash paid.	Note.	Cash
T. A. Edison.	1920	$9600	4800	4800
A. Morten.	642	3210	1608	1608
J. Reiff.	308	1525	762.50	762.50
C. Batchelor.	200	1000	500.	500
E. H. Johnson.	20	100	50.	50
C. Miller.	100	500	250.	250
Adams.	13	65	32.50	32.50
Painter.	100	500	250.	250
	3300	$16.500	$8250.	$8250

Jeff[illegible] 200.
Morton 1700
Miller 225
Johnson (Chief) 100

3700
16.500

THE FAITHFUL WATCHMAN

Electric Burglar Alarm

—AND—

TELEGRAPH APPARATUS,

COMBINED.

THIS MACHINE is the result of years of careful study, immense expense, etc., on the part of the inventor, enabling him at last to bring before an enlightened public the

ONLY PERFECT BURGLAR ALARM.

Such is the language of many Burglar Alarm advertisements and is generally accompanied by a long list of names of persons, used as references, many of whom have perhaps never seen the wonderful invention? This is all humbug.

We shall use no such means of advertising. A machine that has to be sustained in such a manner, is not worth buying.

THE INVENTION OF

The Faithful Watchman

ELECTRIC BURGLAR ALARM,

like many of the greatest inventions of the age, was the result of an accident which suggested the idea, and the thing was done.

It is the most simple alarm that we know of, and we are positive that there is nothing like it in existence. We can discount the prices of any other Electro Burglar Alarm, of equal efficiency, by from fifteen to fifty per cent, and then make a fair profit. We guarantee, when it is properly put up, that

It will do its work to a dead certainty.

It cannot fail. We guarantee it will do as follows:

When the alarm has been set for the night, should a door or window in the house be opened to the extent of even half an inch, it will instantly cause the bell to sound, and it will keep up a violent ringing until some one comes and stops it. Closing the window or door again will not stop it, and the bell will continue to ring for months, or until the battery loses its power. If a wire is cut, broken, or tampered with, the same result will occur. Should a fire break out, we can arrange it to indicate that also.

By using a switch, attached to the alarm, any room or number of rooms can be put in circuit, and the rest left out, thus enabling you to protect the whole or any part of your premises, at option. Windows can be left partly open for ventilation when desired, and the slightest movement of the sash up or down will sound the alarm. The sashes cannot be removed. If a door or window has been left open by accident or design, the alarm will show it. The indicator shows which door or window has been opened. We will also connect doors or windows of stables, outbuildings, etc., with the same alarm, in your house, if desired.

Stair and Safe connections made by special contract.

We will place the **The Faithful Watchman Burglar Alarm** upon your premises, and if it fails to do its work as herein described, we will remove it free of charge.

The Faithful Watchman

IN ADDITION TO ITS QUALITIES AS A BURGLAR ALARM,

will protect your Money-Drawer in your store or office. We will connect your Cash-Drawer with the instrument in such a manner that Till Tappers or Sneak Thieves cannot steal your money from the cash-drawer, while your back is turned, without sounding the alarm. We thus afford you protection from sneak thieves by day and burglars by night, at a most trivial cost. In fact, you cannot afford to be without it.

Now we will inform you, that in addition to its merits as a Burglar and Till Alarm, The Faithful Watchman can be used as a perfect MORSE

Telegraph Apparatus.

If your neighbors have a similar instrument in their houses, we can connect you with them by means of a wire, and with a simple series of signals, in case

YOU NEED HELP,

you can summon them to your assistance by a *few* pressures of the key of your instrument. We also connect stores and factories together, and with our instruments you can communicate by telegraph during the day, and during the night, your property will be protected by using it as a **Burglar Alarm.**

THE ALARM IS SO CHEAP,

that even where a Burglar Alarm is not needed, *as a Telegraph Instrument* it is within the means of all; no matter what the distance may be, it will always work well with the least possible battery power. As a Telegraph Apparatus for amusement, instruction, or for business purposes, it is excelled by none. Our battery is clean and harmless, no acid or noxious materials are used, it will last without renewal from six to twelve months. Old alarms repaired, private lines built, etc.

We are both practical Telegraph men, and guarantee all work as represented.

Should we not be in when you call, a line addressed to us will meet with prompt attention. We will call at your house or place of business and give you any information you may wish.

Our office is with

THE DOMESTIC TELEGRAPH CO.,

12 Vesey Street, New York,

JAS. E. BROWNE,
DAN'L. H. WHILLDIN,

Proprietors and Manufacturers of

THE FAITHFUL WATCHMAN

Electric Burglar Alarm

—AND—

TELEGRAPH INSTRUMENT.

Domestic Tel.Co.

X-E-1685

ELECTRIC CALL BELLS,

Vibrating and Single Strike.

KEYS, RELAYS,

AND

Telegraphic Machinery,

CONSTANTLY ON HAND.

BROWNE & WHILLDIN,

12 VESEY STREET.

THE (1875)

FAITHFUL WATCHMAN

—AT—

Electric Burglar Alarm

—AND—

TELEGRAPH INSTRUMENT,

COMBINED.

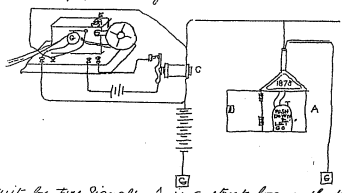
NEVER OUT OF ORDER.

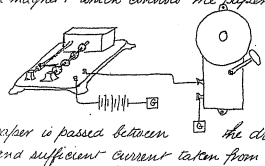
ALWAYS READY.

SIMPLE, CHEAP, and EFFICIENT.

BORDEN & BERRIGAN 37 NASSAU ST., N.Y.

The Fire Alarm System of the Domestic Telegraph Co. consists of a signalling and an alarm circuit: the former used exclusively for Fire signals and the latter for the transmission of such signals from Fire-Head-quarters to Engine-houses, Police Stations and wherever else desired. The working principle of the system is the transmission over a wire of a signal sufficiently strong to release a paper moving mechanism and to take off enough current to decompose chemically prepared paper, and record the signal. Fig 1 shows a circuit for Fire Signals. A is a street box with door open; a smaller box is seen inside with a push-button on it, and the words PUSH DOWN AND LET GO. This operation makes the signal which passes through the relay C. The latter completes through its backpoint the local circuit J: this local circuit contains a magnet F which controls the paper moving mechanism and strikes a gong calling the attention of an official in charge to the signal.





Chemically prepared paper is passed between the drum G and the pen and sufficient current taken from the main line to record in dots the number of the Box.

In small places where there is only one engine house, this is all that is necessary, but where there are more, the second line circuit be used. This consists of a Repeater and Gong-Striker shown in Fig 2. The Repeater is an Instrument which consists of a number of wheels having on their periphery teeth cut; corresponding to the numbers on the street boxes one for each box; a contact point which slides along a shaft can be placed on any one of these wheels and made to transmit through the line the signal the wheel represents. After a signal has come in at the Recorder, the person in attendance sets the Repeater to the number recorded and puts the clockwork in motion, the wheel runs with a uniform speed and continues to repeat that number into the circuit till stopped; in the Engine-house this is received on large striking gongs.

Keys & sounders or any other talking instruments can be used on the line. For very small places the Recording instruments and Gong can be placed in the dwelling house of the official in charge.

The Superiority of the system consists in its Simplicity and Economy

Respy Yours
For Domestic Telegraph Co
12 Pelsey Street New York

Kept with Gen. Gray's Sec. New York 5/5/08 2507

Domestic Telegraph Co.

No. 1

July 29th 1875

To supply agent.

Please furnish the 7th District with the following supplies

Ten (10) Rolls paper for Recorders at once

J. B. Edson

Rolls not more V. P. than 6" dia

J. A. Edson

Newark N.J.

When wanted

Messenger.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rates of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the action of our Boards.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.
7	[illegible]	10 40	7	[illegible]

Dated Aug 4

To Edison Patchelor

Rec'd at Henry's 188 Market St

Aug 4 1875.

10 + 12 Noran

We are Entirely out of paper requiring more some days since

J. B. Edison

V. P.

Van Block, Clark & Co., Printers, 13 Tony Hood, N. Y.

New York, Aug 4 1875

Mr T. A. Edison!

Please deliver bearer 26 Rolls of Paper. - Recording -

Yours, &c. Alex Morton
act for T. A. E.

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

New York, Aug 12 1875

Mr T. A. Edison.

Please deliver bearer 100 morse Keys

Yours, &c. Alex Morton.
act for T. A. E.

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

New York, Aug 27 1875

Mr T. A. Edison.

Please deliver bearer 13 Rolls receiving Paper at once

Yours, &c. —
Alex Morton act for T. A. E.

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

New York, Aug. 13th 1875.

Mr T. A. Edison.

Please deliver bearer 20 Rolls receiving paper -

Yours, &c. Alex Morton.
act for T. A. E.

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

New York Sept 4/75

Edison

Please send over by bearer a few rolls tech paper

We have not got enough on hand to last the day out in both Districts

Will give you a requisition for last upon Mr Moltens arrival & receipt of this lot

Yours Respy

Domestic Tel Co

J E B Supt

12 Rolls
sent by boy

HOLMES' PATENT STORM AND DANGER SIGNAL LIGHTS.

Sole Agent for the United States, - - - - A. MORTEN.
Selling Agents, - - - - - - - - - S. L. Merchant & Co.
76 South Street, N. Y.

Chief Office, 80 BROADWAY,

New York, 187

Please [illegible]

57 New York, Sept. 11th 1875

Mr T A Edison

Please deliver bearer

Fifty rolls receiving paper

Yours, &c. Alex Morton
agt

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

62 New York, Oct 11 1875.

Mr T. A. Edison.

Please deliver bearer The handmade boxes
for Astor House

Yours, &c. Alex Morton.
agt

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

64 New York, Oct 12th 1875.

Mr T A Edison

Please deliver ~~bearer~~ for Rayco line 1 Relay, 1 Box
& 12 Rolls paper

Also 20 Rolls for N. Y.

Yours, &c. Alex Morton
agt

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

66 New York, Oct 16th 1875

Mr T. A. Edison

Please deliver bearer 25 Rolls paper
for this Co

Yours, &c. Horace Ohl
Agt

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

76 New York, Nov 15. 1875.

Mr Thos A. Edison.

Please deliver bearer

12 Rolls Receiving Paper.

Yours, &c. Alex Morton.
agt

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

1875. Telegraph - Edison & Murray - General (D-75-014)

Correspondence, some by Edison; agreement to dissolve the partnership; promissory notes, protests, and receipts; accounts (1874-1876), check.

See also: "Telegraph - Atlantic & Pacific Telegraph Co." (D-75-011).

All selected.

Statement

Newark, N. J., Jan 1st 1875

Mr Patrick & Carter

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,	Induction Coils,	Marine Galvanometers,	Morse Keys,
Resistance Coils,	Diffrential Galvanometers,	Secondary Batteries,	Morse Sounders,
Condensers,	Electrometers,	Polarized Relays,	Philosophical App.
Submarine Keys,	Siemen's Ink Recorders,	Morse Registers,	Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

					Dr.	Cr.
June	26	8 Keys at 4.25	34	8 Sounders 4.50	36	70	
July	17	25 lb Sulph Copper					2 75
"	29	1 Stroke Register				31 50	
Aug	1st	1 Ink Recorder New Y.				10	
"	4	20 lb Bichromate Potash			25¢		5
"	7	2 Ink Recorder.			10	20	
		19 Cells & 2 Batteries				91 50	
	11	Cash					50
Nov	7	1 Ink recorder (net)					10
		7 Keys (net)			4.25		29 75
		8 Sounders (net)			4.50		36 00
		1 Ridder plate					50
	16	25 lb Bichlorn 25¢					6 25
	24	25 lb Sulph Cop 12¢					3
Dec	5	2 Morse Registers with Weights				70	
		2 Cells, Jar & Eagle Battery					3 83
	25	165 lb 1½ Carbon Lines at 15¢					24 75
		Box & Drayage					1 25
						293 00	172 08
						172 08	
						120 92	
Dec	5	11 lb Sulph Cop.			12		1 20
		2 Batteries Eagles					3 83
	19	1 Line					49
							177 60
						~~120 92~~	

Newark, N. J., _____ 187

Mr. _____

Bought of EDISON & MURRAY,

MANUFACTURERS OF

Mirror Galvanometers,
Resistance Coils,
Condensers,
Submarine Keys,

Induction Coils,
Differential Galvanometers,
Electrometers,
Siemen's Ink Recorders,

Marine Galvanometers,
Secondary Batteries,
Polarized Relays,
Morse Registers,

Morse Keys,
Morse Sounders,
Philosophical App.
Learners Recording Insts.

10 & 12 Ward Street, Newark, N. J.

			On	Cr
		Balance of 1874	115 40 ~~120 92~~	
Feb	13	6 Giant Sounders 750 20 off		26 25
	15	24 3/4 lb Insulated Wire @ 100 20 off		20 61
	22	12 Sounders 750 20 off.		72 50
		Domestic Bill		4 85
				134 21
				18 81
Jan	16	250 feet Iron Wire 16 Iron Wire		15
		RR Fare & Deliv		50
	19	180 feet " "		10 80
		1 pair Stubs pliers		1 50
		RR Fare & delivery		50
	21	70 feet " "		4 20
	30	180 " "		10 80
Feb	2	1500 " "		90
		26 lb Braided Wire		26
	~~12~~	~~25 3/4~~ " "		148 11
				~~20 61~~
	15	1 Cell Cash tab. Riordon		1 92

STATEMENT.

Newark, N. J., January 12 1875

January 12

To EDISON & MURRAY,

MANUFACTURERS OF

Telegraph Instruments,

10 & 12 Ward Street.

			Dr.	Cr.
T. A. Edison				
		By check To Howard & Co		$ 120 00
		" Cash		30 00
Feb 10		" Check Rut. Wright		75 00
March 15		" Check R. E. French		41 00
April 17		" 4 Checks of 23 Dollars each		92 00
May 19		Commenced work		305 00
March		To cash	$ 10 00	
May 25		By cash	" " "	10 00
June 11		" Cash		2 00
"	24	" Cash		10 00
	26	" Cash		5 00
July	1	" Cash		8 00
"	6	" Cash		3 00
"	21	" Cash		4 85
	27	" Cash		2 00
				$ 417 85
May 29		To cash	5 35	25 80
June 30		" Cash	1 25	$ 386 05
July		" Cash	6 25	
		" Cash for Rept.	3 25	
			26 80	

$250.— New York, Feby 24th 1875

at sight pay to the

Order of Mechanics National Bank

Two Hundred and fifty Dollars

Value received, and charge the same to account of

To T. A. Murray M. A. Sawyer

and Ot Newark N. J.

(Johnston & Stillwell 251)

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES,

38 South Fourth Street, Phila., and 22 Dey Street, New York.

Philadelphia, Mch 5 1875

Edwin Murray
Genty

We send you herewith a full and complete statement of all purchases made for you by our Mr Jones & Levy, also, of all purchases made for your house in Ny & Phila, — we have given you credit for additional deposits as per letter of Mr Batchelor, please look over the same, and endorse check if possible for the last at once as funds are very scarce, — We hope to be able to do considerable business with you, and you will find we shall act fairly and squarely with you in all things — Check to take an effort to see you when such we come your way Yrs Partrick & Carter

[ENCLOSURE]

New York March 1 1875.

Edwin Murray
Ch. V. Patrick & Carter

1874				
Aug	11.	25 lbs Duffel Copper @ 12¢		3.00
Aug	8.	1 1/2 lb Nickel silver wire @ 20. 15% off	1.68	
	12.	10 lbs Duffel Copper 15¢ 10% off	1.35	Forward to Co.
	"	1 Bottle Duffel Cord.	.20	
Sept	5	10 lbs Duffel Copper 15¢ 10% off	1.35	4.55
"	29	7 " 1 Edwin Sounder (returned) 4.50	31.50	
"	"	8 " 1 " Key (") 4.25	34.00	65.50
Oct	1	25 lbs. Duffel Copper 12¢		3.00
Oct	14.	Cash. J. and P. A. Edwin		50.00
Nov	29	" " "		10.00
"	6	One Edwin Jack Reader		12.00
"	16	25 lbs Platinum Point 25¢		6.25
"	24	25 " Duffel Copper		3.00
Dec	5	2 Cells Eagles Batty @ 225 15% off		38.3
"	"	10 lbs Duffel Copper @ 12¢		1.20
"	10	Iron Mr O'Readen. Brooklyn.		
"	"	2 Cells Eagles Batty 225 15%		38.3
1875	19	1 " 1 Carter Spire Nut.		.49
Jany	16	250 feet " 1/8 Kerite wire @ 6¢	15.00	
"	"	R.R. Fare delivery	.50	15.50
"	19	180 feet " 1/8 Kerite wire @ 6¢	10.80	
"	"	1 pair Cutts Pliers.	1.50	
"	"	R.R. Fare & delivery	.50	12.80
"	21	70 feet " 1/8 Kerite @ 6¢		4.20
"	30	180 " " " " 6¢		10.80
Feby	2.	1500 feet " " " 6¢		90.00
"	5	26 lbs " 1/8 Red & White Sperm @ $1	26.00	
"	"	6 Giant Sounders " 5.00 20% off	36.00	62.00
"	13	25 3/4 lbs " 1/8 Red & White Sperm @ $1.		
"	"	$25.75 Dis 20% —		20.61
"	15	1 Cell " 1 Eagles Batty " 225 15% off	1.92	
		5 lbs Duffel Copper	60.	2.52

[ENCLOSURE]

1895.		Amount Brought forward	$385.11
July 23.	J. 12	#1 Frank Saunders @ $750 20% discount.	72.00
		Printing	50
			$457.61

Per

1894.				
June 19.	J.	Office Indentures.	450.	
" 26	"	6 " "	27.00	
" "	"	14 Small Custom Letters 6¢	6.00	
" "	"	8 #1 Edwin Cage @ $425	34.00	
" "	"	8 #1 " Samuelson. $450	36.00	
Dec 5	"	2 Marc Registers $35.	70.00.	$17.50
		Balance		$280.11

By discount allowance.

July 5th		Indentures 20%	5.20	
"	"	Envelopes. "	2.40.	
" 26th		" "	4.80	12.40
				$267.71

We have allowed you discounts as above from bills sold you July 5 which was not allowed before also upon the Envelopes 20% @ $7. = We hope you will send us a check without delay as we are hard pushed for all directions

[ENCLOSURE]

Philada Mch 1 1875.

Edwd Murray Esq Parkersburg Carter

1874			
Nov 5.	To One Rocker plating plater	50.	
Dec 19	50. #1 1/2 Carbons, Boxing & Drayage	25.00	
Jany 1875	" 100 Cells #1 1/2 Carbon Battery @ 225 20%	180.00	Mile Off.
" 18	5 lbs Mercury @ $2	10.00.	
" "	1 Battery Mach.	50	
" 20	58 lbs #12 Sol Iron Wire @ 12¢	6.96	
" "	2 lbs Office wire @ $1	2.00	
" 21	50. Cells #1 1/2 Carbon Battery @ 225 20% off	90.00	Washburn
" "	Boxing etc	2.25	"
" "	50. Cells #1 1/2 Carbon Battery @ 225. 20%	90.00	Batts
" "	Boxes etc	2.25	"
" 23	100. Cells #1 1/2 Carbon Battery @ 225 20%	180.00	
" "	Boxing etc	4.05	Boston
" "	4 lbs Mercury @ $2	8.00	
			$601.51

Cr

June 30	By One Regulator.	31.50.	
Sept 6.	" 12 Inductoriums	54.00	
Aug 7	" 2 Batt Rheostats	30.00	115.50
			$486.01
	New York a/c.		267.21
			$753.72

This is the full and true

W. Edelstein

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES,

38 South Fourth Street, Phila., and 22 Day Street, New York.

Philadelphia, March 5 1875

To Edwin Fay

Dear Sir = Have waited today full ofs, of standing against Edwin & Murray = and have shot them with Murray's paid you by Eagles at Ny = The matter of discount on 60 Samples ordered by you, will settle with you personally = You also find will do what is agreed all the way through = Would like to hear from you

Yours
Partrick & Carter

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES,

38 South Fourth Street, Phila., and 22 Day Street, New York.

Philadelphia, March 8 1875.

Edwin Murray
Newark N.J.

Sirs: We sent you two Copies of bills for Battery material, sold you for A.D.P. Tel Co one Copy made out with 20% discount, and another Copy of bills made out full prices as per your directions, and another subtotaling the whole thing = 3 Copies in all We have not sent you any bills of Domestic Tel Co. & Cable, for the #4.58 = which you will find scored at the top of the bills, We do that only by direction of Federal instructions = What more can we do, = If anything else let us know and will do it = so we can get some funds Yours Respy

Partrick & Carter

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES,

38 South Fourth Street, Philn., and 22 Dey Street, New York.

Philadelphia, Feb 16 1875

Edwin D Murray

Dear = Please find ~~find~~ bills

enclosed as you directed for acct

Del Co. =

John Partrick

Partrick & Carter

Robert Hamm Esq

Jeffers

Philadelphia Apl 30 1875

Mr Edwin Murray

For Portrait & Cases

1874						
Nov	5.	To	One Rubber plate	50		OK
Dec	19	"	50 #1/2 Gems, Bro'y Stayne	25 00	25 50	OK
1875						
Jany	16	"	100 Cases #1/2 Patent Body @ $225	225 00		
			less dis 20 %.	45 00	180 00	
"	18	"	5 lbs Mercury @ $2	10 00		
		"	1 Battery Brush	50		
"	20	"	58 lbs #12 Brass wire @ 12¢	6 96		
"	"	"	2 " Office wire @ $1	2 00	19 46	
"	21	"	50 Cases #1/2 Battery @ $225	112 50		
		"	less dis 20 %.	22 50	90 00	
			Boxing		2 25	
"	21	"	50 Cases #1/2 Battery @ 225	112 50		
			less dis. 20 %.	22 50	90 00	
			Boxing		2 25	
"	23	"	100 Cases #1/2 Battery @ $225	225 00		
			less dis 20 %,	45 00	180 00	
			Boxing		4 05	
"	23	"	4 lbs Mercury @ $2	8 00		
Feby	6	"	6 Giant Jarrs @ $750	45 00		
			less 20 %	9 00	36 00	
			Boxing		1 25	
					$1637 76	

Cr Philada.

1874					
June	24.	By	One Repeater.	31 50	
July	11.	"	12 Indestructibles.	54 00	85 50
					$552 26

Edison Manuf. Co. To Bartlett & Carter Dr.

1884					
July	16	To 25 lbs. Twight Copper @ 12¢	300		300 245
"	8	" 1½ lbs Pewter & Vanadium "A" Off. "A" 18¢	195		
"	"	" 15% off	27		168
"	12	" 10 lbs Twight Copper @ 15¢	150		
"	"	" " Dis. 10%	15		135
"	"	" Oxi Potto Twight Acid			20
Sept	5	" 10 lbs Twight Copper @ 15¢	150		
"	"	" Dis 10%	15		135
"	29	" 7 #1 Edison Dynamos @ $450	3150		
"	"	" 8 #1 " Keys @ $425	3400		6550 OK
Oct	1	" 25 lbs Twight Copper @ 12¢			300
Oct	14	" Cash			5000 OK
Nov	5	" 1 Edison Tank Receiver	1200		OK
"	16	" 25 lbs Bichromate Potash 25	625		OK
"	24	" 25 " Twight Copper 12	300		2125 OK
Dec	5	" 2 Cells #1 Eagle Battery @ $225	450		
"	"	Dis 15%	67		383 OK
"	5	" 10 lbs Twight Copper @ 12¢			120 OK
"	10	" for Mr O'Reardon Brooklyn			
~~"	"	" 2 Cells Eagle #1 Battery @ $225~~	~~450~~		
"	"	" Dis 15%	67		383 OK
" 1870	19	" 1 #1½ Carbon Zinc			49 OK
Jany	18	" 25 ft feet #16 Kinite wire @ 8¢	1500		
"	"	" Cast Iron Pipe delivery	50		1550 OK
"	19	" 180 feet #16 Kinite wire 6	1080		
"	"	" 1 Pair Stocks Pliers	150		
"	"	" R R Fan delivery	50		1280 OK
"	21	" 70 feet #16 Kinite @ 6¢	420		
"	30	" 180 " #16 " @ 6¢	1080		1500 OK
Feby	2	" 1500 feet Kinite wire @ 6¢	9000		
"	5	" 26 lbs Braided red Kinite #16 wire @ 8¢	208 00		11600 OK
		Acct Carried Forward			31595

			Amount Brot forward		$15 98
July	5.	To	6 Grand Dominos @ $750	45 00	
"	11	"	Dis 20 %	9 00	36 00 OK
"	13	"	25 3/4 yds @ 1/6 Red White mix $1	25 75	
"	"		Dis. 20 %	5 15	20 60 OK
"	15	"	Mr O Reardon Brooklyn		
"	"	"	1 Doz #1 Eagle Baby @ $2.25	2 25	
"	"	"	Dis 15 %	33	1 92 OK
"	"	"	5 lbs Sweet Copper 12	60	60
"	23	"	12 #1 Grand Dominos @ $750	90 00	
			Dis 20 %	18 00	72 00 OK
			Bal		50
					$147 61
			Cr New York Stores		
June	19	By	1 Gold Medal	4 50	
"	24	"	" " "	27 00	
"	"	"	14 Small Carton Cotton @	6 00	
"	"	"	8 #1 Chain Keys @ $4.25	34 00	
"	"	"	8 #1 " Dominos 4.50	36 00	
Dec	5.	"	2 Merce Registers $35.	70 00	
				$177 50	177 50
					$230 11
					$ 147 61
					Balance Due Capital

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES,

38 South Fourth Street, Phila., ~~and 22 Dey Street, New York.~~

Philadelphia, May 18 1875.

Edison & Murray
Newark.

Gents — We have written you now three times in reference to our O/C and can get no reply — Will you have the kindness to answer in some manner — We are terribly pushed for funds, and hope you will help us out, with part if not the whole amt — Please send us some answer

And oblige
Partrick & Carter

OFFICE OF

Henry A. Brainard,

Attorney at Law and Civil Engineer,

PHOENIX, N. Y., May 20th 1875 ~~188~~

Messrs Edison & Murray —
Gents — Some time ago — abt 6 weeks I think — I sent to you for a couple of your Inductoriums — one for myself, one which I sold a gn into a school. My own works first rate and is satisfactory — But truly the one I sold seems come back to me with the complaint that it is good work I have examined it and find that the Battery is all right and the vibrating circuit breaker works good, altho this is only a small perceptible induced current — which indicates I think a fault in the fine wire coil — I would like to have it made good in some way — and perhaps the cheapest way to do it for you to send me by mail just the fine coil and I will return the one I have — I can put it on place — the instrument all right if you can supply wire properly.

The figures charged are too high that they are much more than the instrument which I sold the other one, & charged by mail for a computation table — I have one which I copied from your catalogue for mail & want them all right

Yours &c
Henry A. Brainard
Phoenix N.Y.

STATEMENT.

Newark, N. J. June 1 187 5

L Bradley

To EDISON & MURRAY,

MANUFACTURERS OF

Telegraph Instruments,

10 & 12 Ward Street.

53 Spools returned at 80¢	
	$42 40

These spools have been replaced were delivered to boy Thursday eve'g June 3 with 32 more in addition thereto

Fitch

We have just rec'd more fine wire and can proceed to fill your order

T.

1

Newark, N.J., July 8th 1875

T. A. Edison

Bought of J. T. MURRAY,

MANUFACTURER OF

Telegraph Instruments,

Nos. 10 & 12 WARD STREET.

July	6	6 lbs 2 oz Sheet Rubber @$1.00	$ 6	13		
	.	Copy Press $4.00. Table clamp $6.00	10			
	.	200 Rolls wet Paper.	6			
	.	Osborn 8½ hours on Relays @25¢	2	28		
	.	Stockman 15 hours @10	1	50		
	.	Gartland 8 hours @12		96		
	.	34 inches Platina wire	15			
	.	100 switch nobs @10	10			
	.	2 Boxes Burs	1			
	8	6 standards @15	1	50		
		Cutting inch Paper 3½ hours @50	1	05		
		3 lbs Force wire 54 lbs 7 lbs Brass @50 2.10	2	64		
		1 block 1.00 Soft Rubber $10.00	2			
		5 lbs Norway armatures @18		90		
		Pen wire 20 Jut Cord 50		70		
		Cutting Paper Bottles Binding 2½ hours @50		75		
		Rubber for Condensers 12 x 3¾ x 1/8	1	50		
		6 feet stubb file No 36	1			
		Howarth Bill	12	20		
		Charcoal Bill	7	50		
					$84	61

Over

			$		
1875		Amount Brot Over	84	61	
		Rubber Tubing Relays	1	50	
		Exchange in store difference	5	90	
		100 Steel Screws Pins @5	3		
		39 Table Legs Returned	30	61	
		2 Wood Jigs Tables	2		
		Sheet Platina and wire Platina	1		
		100 Cores for Pins @6	6		
		4½ dwt Sheet Platina @55	2	03	
		Glue Pot 10 3 lbs Brass @50 92	1	90	
		15 oz Sheet Rubber @110	1	25	
Oct	31	Set Relay Patterns now Received	8		
			$149	80	

These were got B.

2

Newark, N.J., Dec 6th 1875

T. A. Edison

Bought of J. T. MURRAY,
MANUFACTURER OF
Telegraph Instruments,
Nos. 10 & 12 WARD STREET.

				$	
		25 Rubber Base switches	@10.00	250	
		48 Receiving Pens	@50.	24	
		50 Tin Reels	@50	25	
		3/4 lbs Small Round Rubber	@125		91
		5 Wood Blocks	@100	5	
		4 Tin Reels	@50	2	
		5 Shunt Boxes	@100	5	
		4 lbs 3/8 Sheet Rubber.	@100	4	
		7 3/4 lbs Sheet Rubber 1/4	@100	7	75
		Coil Pen wire			50
		6 days use of Engine Lathe	@2.00	12	
Dec 1876	31	Cutting Paper 37 hours @50.		10	10
		Expressage on same from N.Y.			25
				$ 346	51

Edison got these and turned them over to A & P

Dec 31 Paper cutting to be charged to Novelty Co by Edison
Baletheter

3

Newark, N.J., Feb 23 rd 1876

T A Edison

Bought of J. T. MURRAY,
MANUFACTURER OF
Telegraph Instruments,
Nos. 10 & 12 WARD STREET.

Feb	8	1	Acoustic Models W.U.	$35		
		2	. .	35		
		3	. Engine .	40		
	25	4	. .	35		
		5	. .	35		
		6	. Fire alarm	25		
		7	. .	40		
April	8	8	. .	40	$275	
			Second Series			
		1	Acoustic	30		
		2		40		
		3		40		
		4		30		
Aug	15	5		30		
		6	Domestic Edison personal	30	$190	
					$465	

These are W.U. Models
all of this
You sent check by Adams for Murray
Endorse.

Newark N.J. July 13 1875

The firm of Edison and Murray Telegraph instrument makers of 10 and 12 Ward Street Newark N.J. is this day dissolved by mutual convent. T A Edison will settle all accounts of the firm.

Witness,
Chas Batchelor

Thos. A. Edison
S. B. Murray

Newark N.J. July 15th 1875

For and in consideration of the sum of one dollar the receipt of which is hereby acknowledged I do hereby sell transfer & convey to Thos A Edison of Newark N.J. all my right title and interest in all monies due the firm of Edison & Murray from the Domestic Telegraph Co, and Automatic Telegraph Company of Newark

And I do hereby authorize the said Co's to pay the same to said Edison.

S. B. Murray

Witness
Chas. Batchelor

Transfer of Domestic Tel Co Bill of $1800, and Automatic Tel Co Bill of $2600. from Edison & Murray to T A Edison

Acknowledgement
DEC 14 1878

Edison Claus vs Edison vs Hy A. & Murray & Domestic Tel Co.
Exhibit 1878

Newark Industrial Exhibition.

OPEN TO THE STATE.

Dear Sir:

How much space will you require in the Exhibition?

To facilitate arrangements, it is essential the Committee should be made acquainted with all particulars without delay.

Batch work 44 sq feet

Direct to *A. M. HOLBROOK, Secretary,*

No. 11 MECHANIC STREET.

Not — 400 sq feet

Exhibition will open 15th Sept. Goods received 6th Sept.

☞ Communicate with your friends and have every one who manufactures anything to place a sample on exhibition.

Rec'd Oct 14 1895 of
Mr Adkins his check
of the date of Oct 14, 1895
for one hundred dollars
in part payment of the
within Bogelon & Schudson

Eagleton Mfg Co
v
Edison & Murray

Amount of facet	143.64
Interest	5.02
Judgment entered for	148.69
Costs taxed	38.22
	186.91
Sheriff's fees	5.00
	191.91

191 91
150 00
41 91

above
Rec'd fifty dollars on
Bogelon & Johnson

Rec'd Newark N.J. Oct. 27/75

~~forty one 21/100 Dollars Checks~~

full for within bill

H 21/100

Signature of holder

Jones

United States of America,
State of New Jersey, } ss.

On the Twenty Second day of Oct One Thousand Eight Hundred and Seventy Five I, THEO. F. BALDWIN, Notary Public, duly commissioned and sworn, residing at NEWARK, in the State of New Jersey, at the request of Nat Bank of Republic N.J.

did present the original Note hereunto annexed, at the Mechs Nat Bank of Newark, and demanded payment of the same of Tuen of said Bank, who answered, that the Maker Thos A Edison was not there, and had not left funds for the payment thereof.

Whereupon I, the said Notary, at the request of the aforesaid, did PROTEST, and by these presents do publicly PROTEST, as well against the Maker and Endorsers of the said Note as against all others whom it doth or may concern, for exchange, re-exchange, and all costs, charges, damages, and interest already incurred, and to be hereafter incurred for want of payment of the said Note

Thus done and protested at Newark aforesaid.

In Testimony Whereof, I have, hereunto set my hand and affixed my Notarial Seal, the day and year above written.

Theo. F. Baldwin
Notary Public.

Book 4
1050

$200 98/100 Philadelphia, August 20th 1875

Sixty days — after date I promise to pay to the order of Patrick & Carter

Two hundred & fifty six 98/100 — Dollars

at Mechanics National Bank Newark N. Jersey,

without defalcation for value received.

No

Due

Thomas A. Edison

Hubert & Kennedy, 500 Chestnut St. Phila.

Protest.

Wm. A. Elkins

FOR

Nat'l Bk Republic
Ny

Dated Oct 22 1895

	$256.98
Notarial Fee,	1.50
Postage,	.09
	~~258.57~~
	258.57
	.59
	15
	1.74

THEO. F. BALDWIN,
NOTARY PUBLIC,
No. 768 Broad Street,
NEWARK.

Chg
Wm A Elkins

256.98
1.74
258.72

PAY MECHANICS NATL BANK
OF NEWARK N. J. OR ORDER

Form 11.

HALF RATE MESSAGE.

The **Atlantic and Pacific and Franklin Telegraph Companies** require that all messages received for transmission shall be written on the blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following HALF RATE MESSAGE.

THOMAS T. ECKERT, *President.*

D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME	RECEIVED BY	CHECK
202	JB	130		DH

Dated, Newark N J 10/25 Rec'd at

To Patrick & Carter

187

Deposit to meet your
Note made too late
Please return it
It will be paid
Thos. A. Edison

5 10 15 20 25 30 35

Tee Block, Chd & Co., Bridge, 14 Dey St. New York, N. Y.

~~Pay~~ Western Telegraph
says this bill will be
Rec'd. Please forward
again and advise
payment.

256.98
1.74
255.72

[illegible] Vouchers in acc. of Annuity [illegible]

Recapitulation.

Dr.

To Amt. drawn from Domestic Bd	39	36	
" " Rec. New York House	449	61	
" " " Phila House	637	76	1124 73

Cr.

By Amt. to New York House	179	50	
" " " Phila House	65	50	
" " Amt from A.B.P.C.	574	01	839 01
			$285 72

The balance $285.72 is amt due c/s which we hope your cities remit us after it having been standing so long - or are sadly in want of funds

Jno Rankin Carter

Edison & Murray

	Cr	Dr
Gold & Stock		300
Automatic Tel Co.	806 72	
Holmes Booth & H.		126 78
Lick Pantrod.		12 69
Delgwan & Hudson Coal Co		28
Thomas for book		32 91
G Price		33 10
Mackenet & Wilson		39 90
Smith & Lounsley		26 20
J Gouch		1 53
Beebe.		
W H Kirk (Rent)		1750 00
Crossman Bros	159 50	
Bradley		40 83
Celluloid	25 90	
Domestic	1269 52	
Haydens		108 18
Hch.		62 00
J Hart		~~2 71~~
J Moore & Sons		70 23
O Rondon	19 96	
Patrick B & Co	79 75	
J H Osborne		12 25
~~[illegible]~~	~~25~~	
W H Kirk & Co		13 54
Experimental Dept	433 60	
Condit & Hanson		7 50
A S Howe	46	
E H Johnson	106 70	
Rentny Hearn Dry	18	
Fernando Rohe	214 50	
Bavier	70	
	3252	152
	2768 24	2668 24
	48 39	100
		2768 24

Bills Co. Tracks [illegible]
[illegible] Pile [illegible] to Bunsen
[illegible] St Newark N.J.
[illegible]

Receipts. for Sept 7
[illegible] for 1875
Thos A Edison

T. A. EDISON,

(1873 & '74)
NEWARK, N. J.

10 & 12 Ward St., _____ 18

Brass Castings	25 00
Japanning & Polishing	
Hard Rubber	65 00
Pleo & Emery Papers drills	35 00
Iron Founders	7 00
	132 01
	454 91
	349 25
	387 36
	1323.52

1875. Telegraph - Edison & Murray - Bills and Receipts (D-75-015)

Bills, receipts.

Filmed in the following order: gas company bills, other bills.

See also: "Telegraph - Atlantic & Pacific Telegraph Co." (D-75-011).

All selected.

Folio, 7190 Premises, 10-12 Ward Street.

M T A Edison

To NEWARK GAS LIGHT CO., Dr.

To Gas consumed from MARCH 1 to JUNE 1, 1875.

State of Meter at this date, 1 May 648 00
Less do. at last settlement, 577 00
Consumption, 71 00 at $3 25 per thousand feet, $ 2308

Less 2½ per cent. discount, if paid in Five days after presentation.

Received Payment,
Bill Presented, 1 For the Company,

Instant. Last Discount Day.

OFFICE, NO. 6 BANK STREET, NEWARK, N. J.

Folio, 7190 Premises, 10 & 12 Ward Street,

M T A Edison

To NEWARK GAS LIGHT CO., Dr.

To Gas consumed from JUNE 1 to JULY 1, 1875.

State of Meter at this date, 7 June 719 00
Less do. at last settlement, 648 00
Consumption, 71 00 at $3 25 per thousand feet, $ 2 19/95

Less 2½ per cent. discount, if paid in Five days after presentation.

Received Payment,
Bill Presented, 1 For the Company, A W Burgess

NEWARK GAS LIGHT CO. PAID

Instant. Last Discount day.

OFFICE, NO. 6 BANK STREET, NEWARK, N. J.

Folio, 7190 Premises, 10-12 Ward Street.

M T A Edison

To NEWARK GAS LIGHT CO., Dr.

To Gas consumed from SEPTEMBER 1 to DECEMBER 1, 1875.

State of Meter at this date, 1 Dec 23 00
Less do. at last settlement, 22 00
Consumption, 1 00 at $3 25 per thousand feet, $ 3 25

Less 2½ per cent. discount, if paid in Five days after presentation. 3 16

Received Payment,
Bill Presented, 1 For the Company, [illegible]

Instant. Last Discount Day.

OFFICE, NO. 6 BANK STREET, NEWARK, N. J.

Folio, 7190 Premises, 10-12 Ward Street,

M T A Edison

To NEWARK GAS LIGHT CO., Dr.

To Gas consumed from DECEMBER 1, 1875, to JANUARY 1, 1876

State of Meter at this date, 1 Jan 448 00
Less do. at last settlement, 258 00
Consumption, 190 00 at $3 25 per thousand feet, $ 6 18/75

Less 2½ per cent. discount, if paid in Five days after presentation.

Received Payment,
Bill Presented, 1 For the Company,

Instant. Last Discount Day.

OFFICE, NO. 6 BANK STREET, NEWARK, N. J.

Page 1/3 DUE AND PAYABLE JAN. 1st, 1875, AT THE OFFICE OF THE BOARD, 708 BROAD ST., OVER MECHANICS' BANK.

Mr. Wm H Kirk & Co.

To THE NEWARK AQUEDUCT BOARD, Dr.

For the use of Water at 13 ward street, from October 1st, 1874 to April 1st, 1875, $10

Received Payment, Paid Apr 17/75 Miller

Registrar.

AS BILLS will be paid on or before January 15th, the water will be turned off from all premises for which bills remain unpaid, after that date, in which case it will not be again turned on without the payment of the bill together with a charge of one dollar for turning off and on. (FOR RULES SEE BACK OF BILL.)

DAILY ADV PRINT

MONTHLY STATEMENT.

New York, Jan. 1st 1875

Messrs. Edison & Murray,

In account with **M. LUKANITSCH,**

IMPORTER OF FRENCH AND SWISS

SUPERIOR FILES AND TOOLS,

195 WILLIAM STREET.

1874			CURRENCY.
Nov	6	As per Bill rendered,	2 40
Dec	3		1 95 ✓
"	7		5 69 ✓
"	16		5 59
Dec	21		14 03
"	22		53 90
			$ 83 56
1875 Jan	8	By Cash	70 30
		To balance	$ 13 26

Page 230

STATEMENT.

New York, Jany 2d 1875

Edison & Murray

Newark

To Manhattan Brass & Mfg. Co. Dr.

88 READE, Cor. Church St.

Dec	21	2 Mallet	$2 15	
		Recd Payment Manhattan Brass Co		
			2 15	

1 70

Terms Cash. Newark, N. J. Jany 2 1875

Mess Edison & Murray

To D. M. Meeker & Son, Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER, S. J. MEEKER

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 157 lbs Alarm Box Castings		$10.99

This includes 7 lbs taken by boy on the 31st ult

Mess Edison & Murray

New York, Jany 4 1875

Bought of John J. Crooke

OFFICE, 183 MONTGOMERY STREET,

Manufacturer of Tin Foil, & Metallic Capsules of all kinds, plain and colored.

For Chase foil R.L.Co.	4 lb	1.00
2 Cases 1/4 Qts	3	50
		10.50
Rd Pay Dr Cash		11.00
		.60
		$11.60

75

MONTHLY STATEMENT.

Newark, N. J. Jan. 31st 1875.

Mr Thomas A. Edison.

To W. L. STARR & CO. Dr.

44 LAWRENCE STREET.

Nov 24 To Bridesbead	3.50	
Dec 3 " " "	2.50	
13 " " "	2.25	
		8.25

Rec'd Payment.

W. L. Starr & Co.

J. Greeley.

Newark, N. J., January 5th 1875.

Mr Edison & Murray City

Bought of **Jacob Hey**

MANUFACTURER OF

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., *in the rear.*

1875				
Jan	5	15 Rosewood bound boxes @ 1.00		15.00
		Received Payment 16 M	Paid	25.00
				Jacob Hey

100 Market St., Newark, N. J., Jan 8th 1875.

Mrs Edison & Murray

Bought of **William Whitty,**

Dealer in Fine Groceries, Teas, Coffees, Wines, &c.

and Importer of Havana Segars.

Jan	8th	1/2 Bushel Ashton Salt	1.50
		Received Payment	
		Wm Whitty	
		per WW.	

$60.00/100

Received Payment Jany 8th 1875

Paid from Edison & Murray

Bill 0/100 Edison & Murray

$60.00/100 Chas. F. Chandler

Chas. F. Chandler agt

Paid 53

Newark Jany 8th 1875

Received from T. A. Edison & Co

the sum of fifty dollars on a/c

Chas. Price

Essex Brass & Silver Rolling Mill

Bloomfield, N. J.

Plated Metal. Roll Brass.

A. HAYDEN,

Office and Salesroom,
54 and 56 Mechanic St.

Newark, N. J. June 8 1875

Messrs Edison & Murray

We are in receipt of your favor dated — — — enclosing Fifty Dollars which we have placed to your credit

Thanking you for the same,

We are

Yours Respectfully,

A. Hayden & Co.

N. Y. Jan. 8th 1875

Received from Messrs. Edison & Murray the sum of Seventy 30/100 Dollars, on account

$70. 30/100 M. Lundmarks Pr. Bro.

Established in 1845.

Rachnet, Pilson & Co.

Importers & Jobbers in Furniture, Iron & Stel.

Nos. 79 & 81 Wood Stat.

Newark, N. J. June 8 1875

Messrs Edison & Murray.

Your favor of the — is at hand, enclosing Check. Fifty — Dollars ~~in full~~ On Acct for which please accept our thanks.

Awaiting your further orders, we remain,

Yours truly,

Rachnet Pilson & Co.

RECEIPT

NEWARK, N. J.,) any 8 1875

Received from Edison & Murray

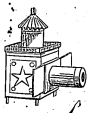
Two Hundred ——— DOLLARS,

on a/c

$200

Smith & Dowley
Treasurer

Not Responsible for Breakage.



New York, January 9th 1873

Mr. T. A. Edison Newark N.J.

Mr. Rohrbeck & Goebeler,

Lieut. J. F. LUHME & CO.,
MANUFACTURERS AND IMPORTERS OF
CHEMICAL APPARATUS, CHEMICALS, &c. &c.
No. 4 MURRAY ST., near Broadway.

Terms: Cash.

1 Beckers Gas Reg and Weights	$103.00	net	
1 Collrd of Elementary Bodies	38.00		
1 Berlin Spectroscope, Complete	68.00		
1 Thea Electric Battery	35.00		
1 Large Air Pump and Receiver	71.00		
Packing	3.00		
		$318.00	
5% for Cash payment on		net	
		16.75	
Rec Payment for the			
on a/c		30.25	
Send this day by Express C.O.D.			

Rec Newark Jan 29th 1875 from T. A. Edison
Seven hundred & fifty dollars. in full for one
machine rent of Factory and power No 10 & 12 Ward St
to January 1st 1875
$750.00

Holmes, Booth & Haydens,
MANUFACTURERS OF
SHEET BRASS, COPPER,
BRASS, ZINC AND IRON WIRE,
Gauge Glass and Water Gauge Cocks, Silver Plated Wares,
COPPER BOTTOMS AND WIRE, BRONZED AND LAMP BURNERS, &c., &c.
NEW YORK.

49 Chambers Street, New York, Jany 9 1875

Received from Edison & Murray Newark N.J.
Nine Hundred & — Dollars,
for one safe —

Holmes, Booth & Haydens,
Per L. B. Dodd Cash

$ 900.#

Newark, N. J., Jan 11 1875.

Mr T. A. Edison

BOUGHT OF **John Poinier,**

LUMBER DEALER,

FOOT OF MARKET STREET. **Second Wharf North Market St. Bridge.**

225	ft. Walnut	95.	21	87
64	" Board	4	2	56
2	Sticks	17		34
2	Boards	35		70
	Moulding		1	75
	Carting			40
			$27	12

Recd

Mathematical and Philosophical Instruments, Microscopes, Microscopic Apparatus and Prepared Objects, Magic Lanterns, Spectacles, Tape Lines, Profile and Engineer's Drawing Paper and Materials, &c.

SAMUEL L. FOX,
JESSE S. CHENEY,
W. H. WALMSLEY, trading as JAMES W. QUEEN & CO.

TERMS _____ in New York Par Funds.

NEW YORK, Jan. 12 1875

Mr. T. A. Edison Newark N. J.

Collect on Delivery

ILLUSTRATED MANUALS ON THE FOLLOWING SUBJECTS:
Mathematical Instruments, 175 Pages.
Optical Instruments, 54 "
Magic Lanterns, 72 Pages, 10 cts. Each.
Philosophical Ins'ments, 40 Pages, 10 cts. "

Bought of James W. Queen & Co.
OPTICIANS,
601 BROADWAY, New York. 924 CHESTNUT ST., Philadelphia.

To Mdse. as per bill.	59	50
Rec Payment for the N.Y. & Lim	1	00
C.O.D. Geo. A. Martin	60	50

All errors or claims for reduction must be made within FIVE DAYS after receipt of Goods.

Newark, N.J. Jan 12th 1875

Mr. Edison & Murray

Richardson Bros.,

EVERY SAW WARRANTED.

PASSAIC SAW WORKS,

Terms Cash.

WHITE'S BUILDINGS, (foot of Market St.)

Bills not paid by the 20th proximo will be subject to Draft at Sight, without notice.

2 6 in x cut Saw @ 125	2	50

Rec Pay Richardson Bros

Newark, N. J., Jan 20th 1875

Mr. Edison & Murray City.

Bought of Jacob Hey

MANUFACTURER OF

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., in the rear.

16 Large Cases	50¢	8.00
80 Small "	15¢	12.00
11 Cases as per Dentists bill		3.00
1 Cloth Bag for assessories		1.25
		24.25

Amount Due

Every article will be carefully packed. The goods become the property of the purchaser when they leave the Store, and for all loss or damage either by sea or land, not covered by insurance, he must look to the transporters of the Goods who alone are liable for the same.

☞ Goods are not insured, except by request, and at the cost of the purchaser.

New York, Jan 21st 1875

Messrs Edison & Murray Menlo Park N.J.

Bought of **FRASSE & CO.,**

(Successors to Wm. H. FRASSE,)

IMPORTERS AND MANUFACTURERS OF

FINE TOOLS FOR MACHINISTS, JEWELERS, TELEGRAPH INSTRUMENT & SEWING MACHINE MANUFACTURERS, ENGRAVERS, HATMAKERS, &c. &c.

LATHES, SLIDE RESTS, MILLING TOOLS, STEEL, BRASS, COPPER & GERMAN SILVER WIRE & PLATE.

Stubs' Tools, Files and Steel Wire,

62 CHATHAM STREET.

Denfert's Files,
Hills do
Hindstone Burnishers,
Gothic Files,
Saddlery Files,
French Emery Paper,
Sand Crocticon,
Drill Chucks and Drills,
Gauthiers Figurs,
Gauthiers do
Tripoli, Rouge,
Crocus,
Polishing Stones,
Brown and Sharpe's Tools.

S. J. FRASSE.
A. H. SHEDDON. } TERMS Net CASH.

178 lbs. Stubs Wire #5	1.25	$2.35		
1 9/16 " " " #24. 50	1.05	2.11		
7 1/4 " " " #31	1.50	10.88		
3 " " " #24	1.50	4.50		
1 15/16 " " " #14. 5 lbs. 1 1/16	1.75	3.25		
1 5/8 " Stub Rod 5/8 in	2.00	3.37		
100 " " #6	.50	9.19		
2 Pale Drawer Locks #161	.50	50.00	$83.65	
1 gro. Rd. head Wood Screws 7/8 in.	1.15		2.30	
			.42	
			$86.37	

Order Lucas

The balance of Bill owing have to settle for here.

New York, Jan 21st 1875

Mssrs Edison & Murray

BEST French and Swiss Files, AND OTHER TOOLS, For Machinists, Jewelers, Watch Makers, Engravers and others.

Bought of M. LUKANITSCH,

Importer of and Wholesale and Retail Dealer in

PROUTAT'S & GROBET'S

SUPERIOR FILES.

DEPOT, 195 WILLIAM STREET.

Terms Net Cash

1/2	Dp	Square	5 in	Bastard	Proutat.	2.20	1	
1	"	"	8 "	"	"		1	65
1	"	"	8 "	2d cut	"		1	90
2	"	Hand	12 "	2d cut	"	12.25	24	50
2	"	1/2 Round	3 "	No 1 X 3	Barlow	1.80	3	60
1	"	Slot taper	3 "	" 2	"		1	80
2	"	Hand	12 "	Bastard Limit		7.50	15	00
1	"	1/2 Round	6 "	"	"		2	10
1/2	"	Square	5 "	2d cut	"	2.00	1	00
1	"	Round	6 "	Bastard	"		2	10
1	"	"	6 "	2d cut	"		2	50
1/2	"	Circular Saw	10 in	14/10		2.75	1	38
1/2	"	"	"	80 "	6/10	8.25	4	13
1/2	"	"	"	80 "	8/10	8.25	4	12
5/10	"	"	"	90 "	9/10	9.25	3	86
							$	76.64

Contract Exam.

Correct C.P.

New York, Jan. 22d 1875

Messrs Edison & Murray

Bought of **FRASSE & CO.,**
(Successors to Wm. H. Frasse)
IMPORTERS AND MANUFACTURERS OF
FINE MECHANICS TOOLS FOR MACHINISTS, JEWELERS, ENGRAVERS, WATCHMAKERS, &c. &c.
STUBS' TOOLS, FILES AND STEEL WIRE.

S. T. FRASSE, A. H. BRIGGS. | TERMS Net CASH. P. O. Box 4027. **62 CHATHAM STREET.**

3 dz. Iron Pulley 4 oz		1 20
Correct	Entered Duun	

PAPER BOXES
of every Description.
Plain & Fancy
Constantly on hand.
— AND —
Made to Order.
Terms: Cash.

Newark, N.J. January 23 1875

Mr. Ed. Edison & Murray

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Bruen Sts.,

10	Cart	57	27	13	1 48	14	80
14	"	14	16	16	48	6	72
Entered Duun							21 52

Terms Cash.

NEWARK, N.J. Jan 23rd 1875

Mr. Edison & Murray

FLAGGING
A SPECIALTY.
Special attention given to
PRIVATE WORK.
Orders for
COAL
PROMPTLY FILLED.

Bought of **C. HANNON & SON,**
CONTRACTORS,
Grading, Paving, Curbing, Flagging and Sewering of all kinds done in the most substantial manner, and Dealers in
ALL KINDS OF COAL.
A SUPERIOR STOCK OF BLUE STONE AND COAL ALWYS ON HAND.
CORNELIUS HANNON, CORNELIUS HANNON, Jr. | Office and Yard on Dock 396 OGDEN ST.

1874		
Dec 24	1 Tons Lehigh coal	7 75
26	3 " " " "	7 75 23 25
28	1 " " " "	7 75
	Rec'd payment	38 75

Newark, N. J., Jan 26 1875

Mr. T. A. Edison

To William Compton, Dr.

LIVERY STABLES,

First Class Horses and Carriages to Let.
First Class Close Coaches and Citaroons for Weddings or Funerals.

Nos. 210, 212 and 214 Market Street.

	to one bottle	$5.00

Rec'd Pay
Wm Compton
By Jas S Compton

New York, Jan. 26th 1875

Mr. T. A. Edison - Dr. to

Bought of THE INDIA RUBBER COMB CO.,

SOLE MANUFACTURERS
of Goodyear's India Rubber and Gutta Percha Goods.

COMBS. BRUSHES. NAPKIN RINGS. TUMBLERS. COVERED FLASKS.
SYRINGES. PESSARIES. DRUGGIST'S SCOOPS. FUNNELS. CORKSCREWS.
DENTAL GUM. THIMBLES. OILERS. GIMLETS. CASTOR-ROLLS.
RULERS. INKSTANDS. WHIP SOCKETS. WHIP HANDLES. MARTINGALE RINGS.
PHOTOGRAPHIC GOODS. TELEGRAPHIC GOODS. MUSTARD SPOONS. DICE-CUPS. STAYBONE

And a great variety of other Goods suited to the DRUG, HARDWARE and FANCY GOODS trade.

Terms, CASH.

Nos. 9, 11 & 13 MERCER STREET.

In New York Current Funds.

135	Mag. Haze	.15	$20	25

Entered by Ruen

O. K

New York, Jan. 27 1875

Messrs Edison & Murray Newark N. J.

Bought of **FRASSE & CO.,**

(Successors to Wm. H. Frasse)

IMPORTERS AND MANUFACTURERS OF

FINE MECHANICS TOOLS FOR MACHINISTS, JEWELERS, ENGRAVERS, WATCHMAKERS, &c. &c.

STUBS' TOOLS, FILES AND STEEL WIRE.

R. J. FRASSE
A. H. BRIDGE. | TERMS Net CASH. P. O. Box 4027. **62 CHATHAM STREET.**

	1 doz.	Circular Saws	14.50	14 88

Entered

All claims for defectives must be made within 10 days after receipt of Goods.

Essex Brass and Silver Rolling Mill—Bloomfield, N. J.

Sales Rooms, Nos. 54 & 56 Mechanic Street,

Newark, N. J. Jan 27th 1875

Messrs Edison & Murray

Bought of **ALBERT HAYDEN,**

Manufacturer of and Dealer in

Platers', Electro-Platers' and Grain Silver,

Sheet Rolled and Platers' Brass,

SILVER, PLATED METAL, GERMAN SILVER, GILDING METAL, &c.

INGOTS, SOHAP AND BOLT COPPER, SPELTER, TIN, NICKEL, BRASS WIRE, &c.

STUBB'S EXTRA CAST STEEL FILES.

LEAD, GROUND AND SIFTED PUMICE AND ROTTEN STONE.

Pills, Brick Dust, Tripoli, Rouge, Sand & Emery Paper, Emery, &c.

SWEEPS SMELTED AND REFINED.

JOB ROLLING.

Terms: Net Cash | Funds Current in New York. No Defaced or Mutilated Money Received.

4	9/16	Brass	.30		$1	37

Entered

Albert Co

Newark, N. J., January 20 1875

Mr. Edison & Murray

MECHANICAL DRAWING,
Experimental Machinery,
MILLWRIGHT WORK
And General Jobbing.

TERMS—CASH.

To GEO. A. BYLES, Dr.

PATTERN AND MODEL MAKER,

N. J. R. R. AVENUE.

2 11 H.S. [illegible]	11	11
5 [illegible]		25 [illegible]
entered [illegible]		

New York, Jan. 29 1875

Messrs Edison & Murray

Bought of **FRASSE & CO.,**
(SUCCESSORS TO MM. H. FRASSE)
IMPORTERS AND MANUFACTURERS OF
FINE MECHANICS TOOLS FOR MACHINISTS, JEWELERS, ENGRAVERS, WATCHMAKERS, &c. &c.
STUBS' TOOLS, FILES AND STEEL WIRE.

S. I. FRASSE
A. H. BRIGGS. | TERMS Net CASH. P. O. Box 4192 **62 CHATHAM STREET.**

1 1/16 lbs. Stubs wire	1	44
Entered [illegible]		

PAPER BOXES
of every Description.
Flain & Tracy
Constantly on hand
— AND —
Made to Order.
Terms: Cash.

Newark, N.J., January 29 1875,

Mrs. Edison & Murray.

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Brunn Sts.,

10	Cases 15 [illegible] 12	70	3	60
	Entered			
	J. K.			

Newark, N. J. Jan 30 1875

Messrs Edison & Murray

To L. N. ETRIS, Dr.

PRACTICAL

House Painter, Decorator, Grainer, Paper Hanger and Sign Writer,

No. 222 MARKET STREET.

Painters' Supplies, Paper Hangings And Shades, Constantly on hand, and for sale.

Frescoing, Kalsomining, Coloring, Tinting, Gilding, Glazing, Etc., Etc. Promptly Attended To.

To amt Rendered	21	83
Received Payment		
L. N. Etris.		
C. Murray		
Entered Jrn		

Newark, N. J., Jany 30th 1875

Mess Edison & Murray

To HEWES & PHILLIPS, Dr.

ENGINEERS AND MACHINISTS,

Manufacturers of the most improved High and Low Pressure STEAM ENGINES of all sizes, Sugar Mills, Lathes, Planing Machines, Drill Presses, &c., &c., IRON AND BRASS CASTINGS, STEAM BOILERS of every description, Steam, Water and Gas Wrought Iron Piping and Fittings.

Nos. 15, 17 & 19 Ogden Street.

Terms,

1875 Jan 30 To 1 Labor Morning Press.		$29.50
Entering Jrn		

MANUFACTURERS OF
STAIR BALUSTERS & NEWELS
OF ALL KINDS OF WOOD.
Particular attention given to
FANCY VENEER'D NEWELS.
Awning, Line & Hitching Posts,
On hand and turned to order,
At HEDENBERG WORKS. Newark

Newark, N. J. Jany 30. 1875

Mess Edison & Murray.

To **LUTZ & SCHULTHIES,** Dr.

Wood Turning, Plain and Fancy Sawing Mill,

HEDENBERG WORKS.

26	1020.	Rollers,	1.20	$12.30	
	200	Blocks.	.16	32.00	
					$44.30

Recd Payment.

Entered

O. K

Terms Cash.

Newark, N. J. Jan 30 1875

Mess Edison & Murray

To **D. M. Meeker & Son,** Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER,
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To	10½ lbs	Grey Arms @ 6	3.21
"		Metal Pattern Upright Arm	1.00
"	52½ lbs	Comp Castings 40	21.00
			$25.21

Entered

This includes 19½ lbs Castings Jan 18. 75 by Boy

MONTHLY STATEMENT.

Newark, N. J. July 1 1875

Mr. Edison & Murray

in account with C. H. & J. D. HARRISON.

TERMS,

CHAS. H. HARRISON,
JOHN D. HARRISON.

Oct 19	To Cloth doe		6 75
	Entirely		

MONTHLY STATEMENT.

New York, Feby 1 1875

M Edison & Murray

To FRASSE & CO. Dr.,

SUCCESSORS TO WM. H. FRASSE.

Importers of Watchmakers, Jewelers and Mechanics Tools,

62 CHATHAM STREET.

S. Z. FRASSE,
A. H. BRIDGE.

	Currency.	Cent.
Jan 21 Sundries	86	54
22	1	20
26	1	95
27	4	88
28	2	89
29	1	44
	98	68

MONTHLY STATEMENT.

Newark, N. J. July 1 1875

Mr. Edison & Murray

To GEORGE PRICE, Dr.

ORNAMENTAL JAPANNER,

GILDER, AND LETTERER ON GLASS.

Aug	11	To	Lang 72 Sounds Bass		18	00
"	"	"	" 17 Bones 2 wheels Stag		1	30
"	16	"	" 1 Dom William Boy			50
"	18	"	" 38 Pods " 18 Wheels			12
"	21	"	" 21 Triangles	8	1	68
"	"	"	" 16 Small wheels	5		80
"	"	"	" 23 Hangers	8	1	84
"	"	"	" 23 Cranks	2		46
"	22	"	" 33 Triangles	8	1	32
"	"	"	" 21 Hangers	5	1	05
"	"	"	" 9 Wheels	10		90
"	25	"	" 11 "	10	1	10
"	"	"	" 13 Sticks			65
				8	34	42
Aug	8	(6)	By Cash on Sale of		7	00
				8	27	42

Paid in full

Newark, N. J. Feby 2 1875

Mess Edison & Unger

Bought of **BROWE & YOHE,**

Manufacturers of Gas Fixtures, Lamps, &c.

TERMS, NET CASH. No. 16 BANK STREET, (FACTORY IN THE REAR.)

1 doz Pat Burners	$2	00

Recd Payt
E. A. Brown

MONTHLY STATEMENT.

Newark, N. J. Feb 1st 1875

Mes Edison & Murray

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

(Between Broad Street and Passaic River.)

TERMS CASH.

Jan 2	90 Mdoe	10	99
9	" "	12	54
11	" "	15	42
14	" "	29	50
15	" "	11	16
30	" "	25	24
			2370
			95 82
Feb 1	On By Check		100
			94.31
	4		
		11	16
		12	54
		23	80

Philadelphia, Feby 9 1875

Edison & Murray

To Patrick & Carter, Dr.,

TELEGRAPH & ELECTRICAL ENGINEERS, CONTRACTORS, &c.,
No. 38 SOUTH FOURTH STREET.

TERMS, NET CASH.

MANUFACTURERS and IMPORTERS OF AND DEALERS IN ALL VARIETIES OF

Telegraphic & Electrical INSTRUMENTS AND APPARATUS.

Particular attention given to the ordering of Telegraph Lines, &c.

MEDICAL ELECTRICAL APPARATUS OF EVERY DESCRIPTION.

Sign-Painting in all its Branches.

ORDER

Rec Edison Gouldin & Murray
Feb 20th
Rec
Sales

MANUFACTURERS AND IMPORTERS OF AND DEALERS IN ALL VARIETIES OF **Telegraphic & Electrical** Instruments and Supplies.

PARTICULAR ATTENTION GIVEN TO THE ALTERING AND REPAIRING OF Electrical Apparatus. EVERY DESCRIPTION.

TERMS, NET CASH.

Philadelphia, Feby. 6th 1875

Edison & Murray

PARTRIDGE, BUNNELL & CARTER, FORMERLY PARTRIDGE & BUNNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

ORDER

38 SOUTH FOURTH STREET.

Duplicate	1 Lot Grant Sounders.	750	45 00		
	2 Lots 20 p. Box.		8 00		
			36 00		
			25		$36.25

Newark. N.J. Feby 8th 1875

Mess Edison & Murray

Bot of New Jersey Zinc Co

48 Slab Spelter. 2000 lb 7¼ $ 3215.00

Rec'd Payment

Geo. Missenhow Supt

for Robertson

Paid by Murray

Bought of GEO. W. PLATT, New York, Feby 8 1875

76½ dz Platinum at 40 $ 3060 00

Drawing $ 31.10

Paid G W Platt

per Cinder

Bought of GEO. W. PLATT, New York, Feby 11 1875

2 doz Platinum at 8 $ 18.00

Paid

Manufacturers and Importers
OF AND
DEALERS IN ALL VARIETIES
OF
Telegraphic & Electrical
INSTRUMENTS & SUPPLIES.
Particular attention given to the Altering and Repairing of
ELECTRICAL APPARATUS,
Of every Description.

TERMS:
NET CASH.

New York, July 13 1875

Edison & Murray,

To PARTRICK & CARTER, Dr.

Telegraph and Electrical Engineers, Contractors, &c.,

ORDER

No. 22 DEY STREET.

25 1/4 lbs No 16 Red & White Insulated Wire. @ 100 25 75/100
20 % off
Rec'd Payment 20 61

Entered.

SHEFFIELD STEEL AND CUTLERY.
Warehouse, 72 JOHN STREET.

New York, Feb 16 1875

Mr. Edison & Murray 10 Mark St Newark N.J.

Bought of WILSON HAWKSWORTH, ELLISON & Co.

C. HUGILL, Agent.

3/4 x 14 Berman Steel 123 lbs	12½ c	15	38
Allowing for Collection			25
		15	63
			00
Rec'd Payment		$14	13
for Wilson Hawksworth & Ellison		Lawshe & Co	

—No Claims whatever will be allowed, unless presented within SIX days after receipt of Goods.—

Jersey City, Feb 18 1875

Mr. Edison & Murray 10 Mark Street Newark N.J.

MANUFACTURERS OF
White Granite
—AND—
C. C. WARE.

Bought of ROUSE & TURNER,

"Jersey City Pottery,"

Terms Cash.

OFFICE, COR. ESSEX & WARREN STS.

28	Bowls cups &	28 00	
	one Cake	1 25	29 25

Rec Pay
Paid
S. O. Rouse
C-ed

New York Agency
KEYSTONE
PORTABLE FORGE CO.

No. 111 LIBERTY STREET,

New York Feby 25 1875

Mess Edwards & Murray

Bought of H. S. Manning & Co.

GENERAL AGENTS

NEW YORK TAP AND DIE CO., AND WORCESTER MACHINE SCREW CO.,

MANNINGS' HAND OR POWER BOLT CUTTERS.

Dealers in **Machinists' and Railroad Supplies.**

TERMS CASH, in New York funds, subject to sight draft after 30 days.

ALL CLAIMS FOR DEDUCTION MUST BE MADE WITHIN FIVE DAYS AFTER RECEIPT OF GOODS.

6	M. S. Taps	50/14 20	50/16 15		$6	30

Paid H. S. Manning & Co
Fenton

Forwarded by

Newark, N. J. Feb 2 C 1875

Mr T. A. Edison

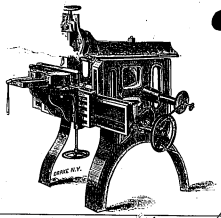
To Wm. S. Denton, Dr.

CARPENTER & BUILDER,

Terms For Jobbing, Cash. **No. 81 Railroad Avenue,**

Every Description of Jobbing in CARPENTER or MASON WORK, promptly executed, and Contracts taken in or out of the City.

3 Cases as per Contract				$10	00
Extra Shelving				11	00
Cash Sundries Cash				221	00
Bal				164	00
				$57	00
Recd Payment				Wm S Denton	



Newark, N. J., Feby 27th 1875

Mr Edison

Bought of **A. J. Davis,**

ENGINEER & MACHINIST,

MANUFACTURER OF THE MOST IMPROVED MACHINERY,

Pile Driving Engines, Hat Machinery, Shaping Machines, Drain Pipe Machines, Shafting, Hangers and Pulleys.

☞ MILL WORK OF ALL KINDS,

No. 93 N. J. RAILROAD AVENUE.

		Amount of bill Rendered			20 50
Feby	5	50 18 Doz. Pla frame	9		
"	"	8 " Fig Tots	2	25	
17	"	50 " Pla frame	25		
"	"	3 " for Step	1	50	
27	"	18 " Pla frame	9		
					46 75
					70.25

chased

MONTHLY STATEMENT.

Newark, N. J. Feb 1875

Mr Edison & Murray

To JACOB HEY, Jr., New York City

MANUFACTURER OF

Gun, Pistol and Silk Cabinet Cases,

No. 45 WARREN STREET.

TERMS..... (in rear.)

Dec 31 1874	To Balance on Pc		$ 50.35
Jan 5	To Mdse		18.00
" 26	" "		64.00
			$ 132.35
	— Cr —		
Jan 4	By Cash	25.00	
" 16	" "	25.00	50.00
		Bal —	$ 79.35

Paid —

Delaware & Hudson Canal Co.'s
Lackawanna Coal, Plymouth Coal,
Baltimore Coal.
WHOLESALE AND RETAIL.
Office, 418 Ogden St., Foot of Division St.
BRANCH OFFICES:
143 Market Street, and at Paterson & Newark Depot,
FOOT OF FOURTH AVENUE,
Newark, N. J. Henry Van Bergen, Agt.

Newark, N. J. March 1 1875

Mr T. A. Edison

To Delaware & Hudson Canal Co., Dr.

1944

Dec 16	2 tons Egg Coal	7 25	14 50		
1875	2 " Stove "	7 50	15 00	29	50
Jan 27	2 " Egg "	7 25		14	50
Feb 10	1 " Stove "			7	50
	1 " Egg "			7	25
				58	75

Received Check for the amount
Edwin Lyons

Delaware & Hudson Canal Co.'s
Lackawanna Coal, Plymouth Coal,
Baltimore Coal.
WHOLESALE AND RETAIL.
Office, 418 Ogden St., Foot of Division St.
BRANCH OFFICES:
143 Market Street, and at Paterson & Newark Depot,
FOOT OF FOURTH AVENUE,
Newark, N. J. Henry Van Bergen, Agt.

Newark, N. J. March 1 1875

Mr Edison & Murray

To Delaware & Hudson Canal Co., Dr.

1944

Nov 5	4 tons Stove Coal @ 7 50		30 00

Entered

YARD FOOT OF DIVISION STREET.

Newark, N. J., Mch 1 1875

Mrs Edison & Murray

Nov 5 Bought of Delaware & Hudson Canal Company.

Tons of Lackawanna Nut Coal, @ 7.50 per Ton, $ 20.00

Tons do. do. @ do.

April 22 1875 Received Payment,

Received $15.00 on the above

Calvin Tyson Agent.

Monthly Statement.

Newark, N. J. Mch 1 1875

Mrs Edison & Murray

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

TERMS CASH. (Between Broad Street and Passaic River.)

Feb 1	To Mdse Bal		95.82
3	" "	11.65	
5	" "	4.44	
8	" "	35.75	
10	" "	82.64	
11	" "	48.69	
13	" "	52.48	
16	" " 90.82	88.92	
18	" "	69.07	
20	" "	66.46	
23	" "	78.11	
25	" "	67.85	
27	" "	67.33	
		$ 66.709	
4	By Cash	$ 76.291	
		$ 100	
		66.291	

MONTHLY STATEMENT.

New York, Mar 1 1875

Mr Edison & Murray

To FRASSE & CO. Dr.,

Successors to Wm. H. Frasse.

Importers of Watchmakers, Jewelers and Mechanics Tools,

62 CHATHAM STREET.

N. J. FRASSE, A. H. BROOKS, Currency. Gold.

Feb 1	To Mdse		2.55
5	"		3.18
9			38.80
10			4.16
11			8.99
13			6.75
18			41.06
19			.65
22			2.93
23			.45
26			2.65
			104.07
Feb 18	By Indorsement	6.60	80.40
23	" "	23.50	23.67

Newark, N. J., Mch 1 1875.

Mr. Edison & Murray

John Poinier,

LUMBER DEALER,

FOOT OF MARKET STREET. Second Wharf North Market St. Bridge.

Jan.	11	225	Ft. Walnut	95	21	38		
		64	Board	4	2	56		
		2	Coil	17		34		
		2	Board	35		70		
			Working		1	75		
			Carting			40	27	13
	15	8	Coil	17	1	36		
			Carting			20	1	56
Feb.	3	415	Ft. Walnut	12	49	80		
			Working		2	90		
			Carting			50	53	20
			Cr.				81	89
Feb.	6	162	Ft. Walnut (Pat.)	12			19	44
			Charged				$ 62	45

NEW JERSEY WIRE MILL.

MONTHLY STATEMENT.

Newark, N. J. March 1 1875

Mr. Edison & Murray

To Henry Roberts, Jr.

WIRE MANUFACTURER.

1874				
Dec	22	To 8 inch		720
1875				
Jan	14	" "		37 86
Feb	1	" "		180
	15	" "		32 96
				99 32

Rec'd Payt
Henry Roberts

Newark, N. J., March 1st 1875

Messrs Edison & Murray

To **Joseph Throssell**, Dr.

GROCER & BAKER,

126 MECHANIC ST.

Feb	8	For 7 Bottles	@ 30	2	10
	19	" 5 do	30	1	50
	20	" 4 do	30	1	20
	22	2 do	30		60
	26	14 do	30	5	70
	27	3 Essence	35	1	05
				$ 12	15

Entirely

MONTHLY STATEMENT.

Newark, N. J. March 1st 1875

Messrs Edison & Murray

To **George Price**, Dr.

ORNAMENTAL JAPANNER,

GILDER, AND LETTERER ON GLASS.

Feby	1	For Japanning 11 Rods 1 weight		1	20
"	3	" " 14 Hangers 108 Stroke		2	86
"	11	" " 77 wires 16 weights		1	57
"	16	" " 22 Table legs		3	30
"	19	" " 10 " "		1	50
"	23	" " 10 legs 58 Small Brass 8 weights		23	90
"	"	" " 32 Weights		1	60
"	24	" " 36 Rods 10 Wheels		2	10
				$ 38	03
March	31st	To By Check		20	00
				$ 18	03

Balance Carried to Month Bill

New-York, March 6th 1875.

Mr. T. A. Edison Menlo Park N.J.

To ROHRBECK & GOEBELER,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C., &C.

No. 4 MURRAY ST., near Broadway.

C.O.D. per Express.

1	Fourth Bottle 2 Necks each		
	4. 8. 16 & 24	2	72
1	4. 8. 16. & 24. 3 Necks	3	—
1	Bottle Tubulated #457. 4 & 8	1	35
1	Med Beakers #357	—	38
1	" " " 358	—	90
1	" " " 359	—	88
1	" " " 360	2	—
1	" " " 361	2	25
1	" " " 362	3	75
1	" " " 363	4	50
1	Sand Crucibles #660	—	10
1	" " " " 661	—	20
1	" " " " 662	—	30
1	" " " " 663	—	45
1	" English "	—	85
1	Each French " #1.2.3.4.5	—	59
1	" Lead " " 1.2.4.6.8	1	90
2	" Porcelain " " 000.0.1.2.3	3	70
2	" Meissen " " 1.2.3.4.5	5	90
1	" German " " 1.2.4.5.8	2	38
3	Small Roasting Dishes	—	35
1	Set Each Cupels #1.2.3.4	1	18
1	Platin Cup #697	—	35
3	" " " 698	1	05
1	Set Dishes 1.2.3.4.5 #827	1	85
3	Funnel Tubes	—	60
1	" " with Stopcock #902	2	25
1	Set Tube Stand #1429	2	25
1	Collection of Drugs & Oils	16	—
	Collection & Packing	1	75
		$	66.33

Rec. Pay

Pd

No. 10 Ward St.
Newark
N. J.

Mrs Edison & Kinsey

Brown & Sharpe Mf'g. Co.,
PROVIDENCE, R. I.,

Manufacturers of Sewing Machines, Revolving Head Screw Machines, Universal Milling Machines, Tapping Machines, Grinding Machines, Screw Slotting Machines, Sheet Metal Gauges, Yarn Assorters and Reels, Watch-Clocks, Friction Clutch Pulleys, and Patent Cutters for Gear which can be sharpened by Grinding without changing their form.

Bought of BROWN & SHARPE MF'G. CO.,
PROVIDENCE, R. I.

Terms Cash.

1875				
Mar. 10	2 - Wat. Gear Cutters	No. 2 3-8-32 D	@ 3.90	7.80
" "	3 - " " "	1 " 2 4-7-18	@ 4.30	12.90
" "	1 - Emery Wheel			6.60
				$27.30

C. O. D. $27.30

Recd. Payment
Brown & Sharpe Mfg. Co.
Rec. Pay. of Martin for B.&S.

We send an Emery Wheel which can be used, if not wanted.

Newark, N. J., March 1st 1875

Miss Edmund Murray

SEASONS IN
Walnut, White Wood,
Ash, Chestnut, Maple and
Building and Fencing
Lumber
OF EVERY DESCRIPTION.

WM. F. BAILEY,
C. G. CRANE,
WM. H. WEBSTER.

BOUGHT OF **Bailey, Crane & Webster,**
WHOLESALE AND RETAIL
Lumber Dealers,
YARDS: Foot of Bridge St. Newark, AND Passaic Ave, East Newark.

18	1 - 3in Maple	44	5	2 20
			Bgs	40
	Rec'd Payment			2 60
	Bailey Crane & Webster			00
2				2 60

New-York, March 13th 1875.

Mr. C. A. Edison Newark N.J.

To ROHRBECK & GOEBELER,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

CHEMICAL APPARATUS, CHEMICALS, &C., &C.

No. 4 MURRAY ST., near Broadway.

Sent By Express C.O.D.

1 Set Blowpipe Minerals	$ 10	00
1 Blowpipe on Stand		
Brass Lamp	5	00
Packing		75
	$ 15	75

Rec Pay
3/16/75

Brown & Sharpe Mf'g. Co.,
PROVIDENCE, R. I.,
Manufacturers of Screw Machines, Revolving Head Screw Machines, Universal Milling Machines, Tapping Machines, Grinding Machines, Screw Slotting Machines, Sheet Metal Gauges, Yarn Assorters and Reels, Winch-Cloths, Friction Clutch Pulleys, and Patent Cutters for gear which can be sharpened by Grinding without changing their form.

12 Ward St.,
Edison & Murray, Newark, N.J.

Bought of BROWN & SHARPE MF'G. CO.,
PROVIDENCE, R. I.

Terms Cash.

1875 Mch 15 One Pat. Cutter for Gear No 1-18P.	4	50

Adams Express
C.O.D.

Recd. Payt.
Brown & Sharpe Mfg. Co.
L. Sharpe Jr.

---

163 & 165 MULBERRY STREET.

NEW YORK, March 20 1875

Mr J. Murray

Bought of **John J. Crooke,**

Terms

ROLLING MILL, No. 38 CROSBY STREET,

Manufacturer of Pure Banca Tin Foil, Patent Tin Foil, Metallic Caps, Music Plates, Solder &c.

20 Plain Foil	3	52	
1 Box			50
Adams &			

Recd Payt.
John Crooke
15

GREENPOINT FLINT GLASS WORKS,
J. B. Dobelmann, Prop'r.

Greenpoint, N. Y. March 22 1875

Received from Mess Edison & Murray

Fifty ~~/~~ Dollars,

on accounts

$50.00

J. B. Dobelmann
per D. S.

Page

STATEMENT.

New York, 187

J. A. Edison

Menlo Pk.

To WALLACE & SONS, Dr.

89 CHAMBERS & 71 READE STS.

Current Funds, no allowance for Exchange. *P. O. Box 1977.*

Mar 21	To Merchandise,		21 1 20
	Recd Pay't Sept 13		
	Wallace & Son		
	W. F. Ryan		

Menlo, N.J. Feb 26 1876

Mr. Dr. Edison & Murray

Bought of Jac. Gauch & Bro.,

MANUFACTURERS OF

PACKING BOXES.

Cor. First Mechanic & Brown Sts.,

PAPER BOXES
of every Description.
Plain & Fancy
Constantly on hand
— AND —
Made to Order.
Terms: Cash.

10	Cases	7 12	71 30
10	"	61 22 16	102 10 20
			173 60

Entered

Newark, N. J., March 31st 1895

Mr Edison & Murray

STEPHEN S. THORN & CO.

Bought of ~~John S. Hendrickson,~~

MANUFACTURER OF

BONNET WIRE OF ALL DESCRIPTIONS,

Also, Copper Wire Covered with Cotton or Silk, for Insulating and Telegraph purposes.

~~[illegible]~~

FACTORY, 39 OLIVER STREET.

All Bills payable to STEPHEN S. THORN ~~& CO.~~

March	5	Annealing wire				
		1 M 11 oz Tennan Plow & 55 Crang	14 50	1 00		
	6	3 " 6 pr " "	"	7 55		
	10	5 " 5 pr " " "	"	15 32		
	31	11 " 1 pr " " "	"	24 07		
				49 92	197	86

Entered

Newark (1895)

Mr Edison

to Patent Incandescent Lamp Co.

5 two light Chandelier	57 50
5 Wire " "	75 00
9 Brackets	18 00
1 Bbl 130 Lost oil	12 00
	$162 50
10 Boxes	3 50
	165 00
Received	
Cash	10 00
Check Received payment	155 00

Newark, N. J. 189 5

Mr Edison & Murray

Bought of **E. C. HAY,**

MANUFACTURER OF

Hatters' Flues and all kinds of Iron Castings and Factory Stoves,

Nos. 9, 13 and 15 ALLING STREET.

TERMS, CASH.

March	30	Lilly Rudiment	177 49	
May	31	285 ft cast 5"	14 25	191 74
		Net of Mayor's check		110 00
		Received payment E. C. Hay		81 74

☞ We only give credit for empties as charged in invoice if returned in clean and good condition.
All claims for deductions must be made within eight days after receipt of goods.

D.P. 4854.

New York March 1895

M. S. A. Edison 4 Stanhope 10 1/2 Brandreth

Bought of **EIMER & AMEND,**

WHOLESALE DRUGGISTS,

Terms Cash. Send by express C.O.D. 205 & 207 Third Avenue, Cor. 18th St.

	1 oz Acetal	1 00
	1/2 dr Cubebic Acid	1 00
	2 grm Glycerol "	60
	1 oz Hypophosphorus Acid	25
	1 " Monochloracetic "	1 00
	1 " palmitinic "	40
zone or Rom. 0	1 grm parabanic "	—
	1 oz Picronitric "	20
0	1/2 grm Taurocol "	—
	1/2 oz Bromic Ether	75
	1/2 " Oxalic "	15
	1/2 " pelargonic "	25
	1/2 fluid petrolic "	25
	1 oz phosphorat "	15
	1/2 " sebacylic "	15
	1/2 " Ethylidene chloride	50
	1 " Agaric	10
	1/2 " Aleuritic	1 25
0	1 " Alizarin	—
	1 dr Allopurpurin	1 00
	1/4 oz Barbados Aloe	10
	1/4 oz Aloes capense	10
	1/4 oz " succotra	20
	1 dr Alvin Tr	40
	1 oz Ammon bromide	25
	1 " " bicarbonate	20
	1 " " citrate	40
	1/2 " " picronitrate	10
	1 " " tartarate	30
	2 grm " valerianate	40
	1 oz Amygdal amarae	10
	1 " Morrhu Amygdalated	75
0	1 " Amylene iodide	—
	1 " Aqua cardiac accident	10
	1 " Aurilin black dye	10
	1 " " blue "	40
	1 " " brown "	20
	over $	14 70

	over	14 50
1 oz	Aurilin green dry	50
1 "	" red "	50
1 "	" violett "	50
1 "	Authracen	75
1 "	Authra Kokali	20
1 "	Antimon arsenicic	40
1 "	" Butyric	10
1 "	" crocus	10
1 "	" diaphoret	15
1 "	" hepar	10
1/2 "	" perchlorat	50
1/2 "	" sulphide	50
1 "	Authraphylli	15
1/2 "	Apiol	75
1/2 "	Aparagin	15
3 oz	Arnica Arnica root	20
1 oz	Asphaltum	15
15 gr	Vial Aurum chlorat	60
1/2 oz	Borasucin	1 25
1/2 "	Baptisin	50
1/4 "	Berberin pur	1 00
1/4 "	" muriat	1 00
1/4 "	" sulphur	75
1 dr	Bryolinum carb	1 00
1/2 oz	Bismuth lactic	75
1/2 "	" lactophos	50
1/2 "	" tannic	40
1 dr	Caffein citric	60
1 "	" sulphuric	1 15
1 "	" valerian	1 25
1 gr	Cantharidin	50
1 oz	Carbon Bichlorat	1 00
1/2 "	carbon Trichlorat dry	1 00
1 "	caryophylli	10
1/2 "	Cerium chloride	—
1 "	cryst Chloral Hydrat	75
1 ounce	Cholesterin	1 00
1 oz	Chrysarobin	16
1/2 "	Cinchonin sulfate	45
1/2 "	Cobalt sulfate	30
1/2 "	Corydalin	1 15 = 37 36

Young Bill

Newark, N. J. April 1st 1875

Messrs Edison & Murray

To M. S. DRAKE, Dr.

MANUFACTURER OF

LIGHT MACHINERY,

PATENT INVENTIONS, OF EVERY DESCRIPTION,

PATTERNS, DIES, &c., &c.

Terms: C.O.D. No. 16 ELLING STREET.

Jan	22	To One Stamp		5 00	
		" 14 Name Plates		1 00	
					6 00
		Recd Payment			
		M. S. Drake			

MONTHLY STATEMENT.

New York, April 1 1875

M Edison & Murray

To FRASSE & CO. Dr.,

SUCCESSORS TO WM. H. TRASK.

Importers of Watchmakers, Jewelers and Mechanics Tools,

62 CHATHAM STREET.

S. J. FRASSE, A. H. BRIGGS,

		Currency.	Cent.
May	5 Doz Seal	2 36	
	3 Made	12 53	
	5 "	2 93	
	19 "	10 45	
	23 "	5 64	
	24 "	2 15	
		58	64

"Pleasure with"

132.32
172.88
58.52

STATEMENT.

Newark, N. J. April 1. 1875.

Mr. Edison & Murray.

To JACOB GAUCH & BRO., Dr.

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

March 1	To Michels, as per bill enclosed.		164 99
			3 50
			8 75
			17 50
1874-07 5			17 40
			212 14

Newark, N. J. Apr 1 1875

Mess Edson & Murray

To **EDWARD A. HAWES, Dr.**

Gas and Steam Fitter. **PLUMBER,** 267, 269 MARKET ST. N. E. Cor. Lawrence Street.

THE LARGEST ASSORTMENT OF GAS FIXTURES, GLOBES, CALCIUM LIGHTS, &c., IN THE STATE.

Feby	5.	9 ft Gas pipe 10c 1 1/4 Bracket Back 45c	1.53
		1 1/4 Brkt Back 45 2 fittings 2c	69
		12 Burners	2.40
		4. 1 3/8 1/4 stuff joint	20
		7 ft 3/8 pipe 8c 2 3/8 drop Tee 24	1.08
		2 3/8 Brkt Bars	1.20
		3 ft Gas pipe 12c 2 1/4 cut threads 12c	1.48
		1 Nr fitting	45
		27 1 Mica Shade 16c 1 Alder 25	1.75
Mar	5.	1 day 2 men	8.—
		1/2 " 2 "	4.—
		6. 4 3/8 reducers 48 3 3/8 Tees 36	84
		7 Unions & joints 42c 3 Bushings 20	4.50
		1 Burner Cock 60 8 ft Gas pipe 7½c 96	1.56
		8 1/2 ft 1/2 do 10c 6 Brkt Bars 3½c 21	4.63
		8 3/8 Brkt Bars 15c 2 doz Cups 2.40	4.20
		1 3/4 Bat body 90 2 Rubber Bottoms 20	2.10
		2 3/8 Ft. 24 5 doz Cups 60	84
		18 Gas Hooks 20 1 doz Lamps 12	48 1137 8
		1 1/4 day 2 men	6.—
Mar	9.	1 one Gauge 1 Nr fitting 45 1 1/2 union 60c	1.45
	20	1 2 " Elbow	50 49.88

Newark N. J. April 1st 1875

Mr Ecleson & Murray

Bought of **A. & E. C. HAY,**

Manufacturers of HATTERS' FLUES, and

All kinds of Iron Castings and Factory Stoves,

TERMS CASH.

Nos. 9, 13 and 15 ALLING STREET.

Jany	1	Bill Rec'd			27	56		
	20	484 # Iron	5		22	20		
	"	1 No 3 Stove			15	00		177 49
Feby	1	222 # cast	5		11	10		
	4	1 Steam pot			2	00		
	19	642 # cast	5		32	10		
March	13	1011 "	"			53		
	30	1340 "	"		67	00	177	49

MONTHLY STATEMENT.

Newark, N. J. April 1st 1875

Mess Edison & Murray

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

TERMS CASH. (Between Broad Street and Passaic River.)

Mch 1	To Mdse Bal			$662 91
3	" "	✓	62 04	
4	" "	✓	24 11	
10	" "	✓	36 56	
15	" "	✓	62 48	
16	" "	✓	16 12	
22	" "	✓	30 72	
31	" "	✓	14 43	246 46
				$909 37
9	By Cash		200 00	
17	" "		200 00	400 00
				$509 37
				150
				$359 37

MONTHLY STATEMENT.

Newark, N. J. April 1st 1875

Mess Edison & Murray

To GEORGE PRICE Dr.

ORNAMENTAL JAPANNER.

GILDER, AND LETTERER ON GLASS.

	To Ballance from July Bill		18 03	
			2 03	1.35
Mar	4 To Lettering 37 Hangers		2 00	
"	8 " " 14 wheels		2 80	1.80
"	" " " 8 Small "		80	
"	" " " 8 Hammerheads		3 80	2.00
"	11 " " 30 Table legs		4 50	
"	13 " " 1 Wiliam Rod		60	
"	" " " 14 Brackets		28	
"	" " " 14 Small wheels		1 40	.70
"	25 " Lettering 86 Bottles & stand Tops		8 00	
Apr	13 " Lettering 30 Name Bottles		30 00	
			$10 8 51	
			18 02	
			8 49	3.85

New York, April 4 1875

Mess Edison & Murray

Bought of PETER SCHILLING,

BRASS, COMPOSITION, AND GERMAN SILVER FOUNDRY,

No. 43 Eldridge Street.

20 lbs Brass			
16 " "			
39 . 10			
75 lbs 10 oz Brass @ 40 c per lb			29 45

Entered

Newark, N. J., April 5 1875

Mr. Edison & Murray

To S. T. GUERIN, Dr.,

Manufacturer of SASHES, BLINDS, DOORS AND MOULDINGS,

PLAIN AND SCROLL SAWING AND PLANING,

Best Attention given to Setting Plate Glass in Store Fronts, Private Residences, &c.

Nos. 88, 90, & 92 Hamilton St., cor. Bruen.

Feb 6	To 4½ Hours Machine Work 1.		4.50
	Rec'd Payment S. T. Guerin By H. Van Cleson		

PAPER BOXES
of every Description.
Plain & Fancy
Constantly on hand
— AND —
Made to Order.
Terms: Cash.

Newark, N.J., Apl 8, 1875

Mr. W. Edison & Murray

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Bruen Sts.,

	40 Cand 9	6 5	12		4 80
				Entered	

NEWARK, N. J., 187

Mr.

To CHRISTIAN VOLZ,

Livery & Boarding Stable, Undertaker, &c.,
196, 198 & 200 HALSEY STREET.

TERMS:

	2 horse Hack to Long Branch		
	Entered		

Newark, N.J., Apl 13. 1875.

Mr. Edison & Murray,

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Bruen Sts.,

27	18.	12	77	11	55	
31	22	16	112	11	20	
						22.75

Entered

PAPER BOXES
of every Description.
Plain & Fancy
Constantly on hand
— AND —
Made to Order.
Terms: Cash.

Newark, N.J., Apl 14. 1875.

Mr. Edison & Murray,

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Bruen Sts.,

8 Cases with Tubes	175		14 00

Entered

NEWARK POTTERY AND DRAIN PIPE WORKS,
NEWARK, N. J., April 19th 1875

Mr Edison & Murray

JOHN H. OSBORN,
MANUFACTURER OF AND DEALER IN
STONE & EARTHEN WARE, YELLOW & ROCKINGHAM WARE, WHITE GRANITE & C. C. WARE,
DRAIN PIPES, PORTABLE FURNACES, CHEMICAL WARE, FLOWER POTS & VASES, &c., &c.,
All Claims or Deductions to be made immediately on reception of Goods. **Nos. 8 to 24 BELLEVILLE AVENUE.**

2 1/2 Doz CC cans	75	1	88

Entered 150 ~~2.88~~ 1.88

PAPER BOXES
of every Description.
Plain & Fancy
Constantly on hand
AND —
Made to Order.
Terms: Cash.

Newark, N.J. April 27. 1875.

Mr. Edison & Murray.

Bought of **Jac. Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic & Bruen Sts.,

15	Cases	27	18	12	72	10	80		
10	"	31	22	16	110	11	00		
								21	80

Entered

PAPER BOXES,
OF EVERY DESCRIPTION.
PLAIN AND FANCY.
Constantly on hand,
AND
MADE TO ORDER.
TERMS CASH.

Newark, N. J., April 26, 1875.

Mr. Edison & Murray.

Bought of **JACOB GAUCH & BRO.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic and Bruen Streets.

8	Cases	27	16	12	68	5	44		
12	"	31	22	16	110	13	20		
								18	64

entered

Leather and Rubber Belting,
Steam and Gas Pipe,
Brass and Iron Fittings,
Steam Gauges, Oil Cups,
Differential Pulley Blocks, &c.,
Agents for the sale of
Morse Twist Drills and Reamers,
N. Y. Tap & Die Co's Goods,
American File Co's Files,
Cosmopolitan Emery Wheels,
Sturtevant's Blowers and Fans,
Philadelphia Crucibles,
Hunton Governor,
Buffalo Scales,
Worcester Machine Screws.

WM. B. ARCHER,
E. PARK LATHROP.

Newark, N. J. 30 Apr 1875

Mr Edison & Murray

Bought of **WM. B. ARCHER & CO.,**
MANUFACTURERS' AGENTS,
AND DEALERS IN
RAILWAY, MILL & MACHINISTS' SUPPLIES,
TERMS CASH. *No. 200 MARKET STREET.*

12	10 th Emry	12		120

Recd Pmt
Wm B Archer & Co

Newark, N. J., May 1 1871

Messrs Edison & Murray

MECHANICAL DRAWING,
Experimental Machinery,
MILLWRIGHT WORK
And General Jobbing.

TERMS—CASH.

To GEO. A. BYLES, Dr.

PATTERN AND MODEL MAKER,

13½ N. J. R. R. AVENUE.

Balance of Account		$ 25.90
May 1/75 Cr By Order 20.00 C.A.B.		20.00
		$ 5.90

New York May 1st 1875.

Messrs Edison & Murray

TIN & IRON WORK
Of Every Description
Japanned, Bronzed & Gilded
In any Style
TO ORDER.

REPRESENTED BY | JOHN SMITH, JOHN BUTCHER.

George Butcher,
SUCCESSOR TO
To O'MARA & BUTCHER, Dr.
Successors to J. O. SMITH & SONS,
JAPANNERS,
43 CENTRE ST. (rear), near Duane.

April 10th	To Bill Rendered		3 00
" 14	" " "		1 80
" 21	" " "	✓	1 50
" 22	" " "	✓	1 95
" 29	" " "		14 55
			22 80.

MONTHLY STATEMENT.

New York, May 1 1875

M Edison & Murray

To FRASSE & CO. Dr.,

SUCCESSORS TO WM. H. DAVIS.

Importers of Watchmakers, Jewelers and Mechanics Tools,

62 CHATHAM STREET.

X. J. FRASSE. }
A. H. BROOKS. }

			Currency.	Cent
April 1	Int Bal		50	64
" 7	Mdse		4	35
10	"		2	00
13	"		1	13
21	"		1	27
24	"		1	60
			68	99

MONTHLY STATEMENT.

Newark, N. J. May 1st 1875

Mess Edison & Murray

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

(Between Broad Street and Passaic River.)

TERMS CASH.

Apl 1	To Mdse	Balance	509	37
8	" "	✓	9	09
15	" "	✓	11	51
17	" "	✓	6	10
21	" "		3	30
27	" "	✓	16	88
28	" "	✓	2	42
30	" "	✓	12	71
				62 01
				571 38
Apl —	By Cash		150	00
May 5	" "		100	00
				250 00
				321 38

Newark May 1st 1875

Received of Mr. Quigley in full of account

J. Thossell $ 12,15

Terms Cash.

Newark, N. J. May 1st 1875

Messrs Edison & Murray

To D. M. Meeker & Son, Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER,
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

Corrected bill

To 104 lbs	Iron Frames	7	728
" 136 lbs	Segments no Core	6	816
" 12 lbs	Keys	8	96
1/2 lb	Comp Fingers	50	25
			$ 1665

New York May 5th 1875

Messrs Edison & Murray

George Butcher,
SUCCESSOR TO
To O'MARA & BUTCHER, Dr.
Successors to J. O. SMITH & SONS,
JAPANNERS,
43 CENTRE ST. (rear), near Duane.

TIN & IRON WORK
Of Every Description
Japanned, Bronzed & Gilded
In any Style
TO ORDER.

REPRESENTED BY { JOHN J. O'MARA, GEO. BUTCHER.

8 Trays Japan'd & Ornamented @ 1.00	8,00

Entered

Terms Cash. Newark, N. J. May 6th 1875

Mess Edison & Murray

To D. M. Meeker & Son, Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER,
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 221 lbs Roses or Cups 8	17 68	
" 12 lbs Grey Buttons 10 May 5th	1 20	
		$18 88

Entered

New York, May 4th 1875.

Mess Edison & Murray Newark.

Bought of American Brass Foundry,

(A. BRINCKMANN, SUPT.)

TERMS CASH.

217 Centre St., bet. Grand & Howard.

To Grey Iron Castings # 10 2		
45c		$4 50

Entered

PAPER BOXES,
OF EVERY DESCRIPTION.
PLAIN AND FANCY,
Constantly on hand,
AND
MADE TO ORDER.

Newark, N. J., May 10, 1875.

Mrs. Edison & Murray

Bought of **JACOB GAUCH & BRO.,**

MANUFACTURERS OF

PACKING BOXES,

TERMS CASH.

Cor. East Mechanic and Bruen Streets.

20	Cases	57	27	13	157	31	40	
22	"	16	16	14	57	11	22	
								42 62

Entered

PAPER BOXES,
OF EVERY DESCRIPTION.
PLAIN AND FANCY,
Constantly on hand,
AND
MADE TO ORDER.

Newark, N. J., May 10, 1875.

Mrs. Edison & Murray,

Bought of **JACOB GAUCH & BRO.,**

MANUFACTURERS OF

PACKING BOXES,

TERMS CASH.

Cor. East Mechanic and Bruen Streets.

10	Cases	with Partition			95		17	50

Entered

Newark, N. J. May 10th 1895

Mr. Edison Murray

To WM. H. KIRK & CO., Dr.

BUILDERS,

SPECIAL ATTENTION GIVEN TO

HARDWOOD DOORS AND INTERIOR TRIMMINGS,

Jobbing Promptly attended to.

No. 286 Market Street.

SAWING, PLANING, WOOD TURNING, Mouldings, &c. SASHES, BLINDS & DOORS, MADE TO ORDER.

W. H. KIRK, H. JACKSON, H. H. KIRK.

						265.39
		Back Rendered				265 39
Feb	3	4 Horse Running Machinery	D 1.33	5 32		
	4	4 " " " "		5 32		
	5	4 " " " "		5 32		15.96
	"	5 M Walnut 80	Sawing 1.25	1 75		
	12	Sawing		28		2 00
	19	126 M Pine 7.56	5 M Whitewood 1.35	7 91		
		Sawing & planing		3		10 91
	26	Planing		28		
Mar	5	5 M Pine 50 "	Sawing 2.20	2 50		2 75
	12	256 M Pine 1.424	Planing .60			10 84
	4	3½ Horse Machinery on Machines				2 80
	12	4 " " " Cars				3 20
	16	Sawing				1 60
	19	Sawing & planing				1 50
						25
April	16	Planing				
	23	152 M Pine 6.08	Sawing 1.10	7 05		
		Sawing Walnut Strips		28		7 33
						$324.53

Terms Cash. Newark, N. J. May 11 1875

Mess Edison & Murray

To D. M. Meeker & Son, Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER,
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 196 lbs Roses or Cups	8	15	68
" 1 1/4 lbs Comp Ring Nuts	50		63
" 1 1/2 lbs " Castings	40		60
			$16 91

Entered

New York May 14th 1875

Mess. Edison & Murray

TIN & IRON WORK
Of Every Description
Japanned, Bronzed & Gilded
In any Style
TO-ORDER.
REPRESENTED BY JOHN O'MARA, GEO. BUTCHER.

George Butcher,
SUCCESSOR TO
To O'MARA & BUTCHER, Dr.
Successors to J. O. SMITH & SONS,
JAPANNERS,
43 CENTRE ST. (rear), near Duane.

28 Boxes Japanned Grey, & Retd red 3d | 9 | 80

Entered

Monthly Statement.

May 1 Mess Edison & Murray Dr.

To POST & KALKMAN, Dr.
111 Liberty Street,
NEW YORK.

Terms Cash. P. O. Box 3362.

May 14 To Mdse. as per bill rendered. 16 50

If correct, please remit Check promptly, and oblige,
Yours truly,
POST & KALKMAN.

MONTHLY STATEMENT.

Newark, N. J. May 18th 1875

Mr. Edison & Murray

To W. T. Smith Dr.

NICKEL PLATER,

No. 42 Mechanic Street.

To Plating	10.60
" "	.50
" "	2.25
" "	2.20
	15.55
Cash on a/c	5
	8.55

Newark, N. J. May 12 1875

Mr. Edison & Murray

Bought of JACOB GAUCH & BRO.,

MANUFACTURERS OF

PACKING BOXES,

Cor. East Mechanic and Bruen Streets.

PAPER BOXES, OF EVERY DESCRIPTION. PLAIN AND FANCY, Constantly on hand, AND MADE TO ORDER.

TERMS CASH.

6 Box	3.60

Newark, N. J. May 11 1875

Mr. Edison & Murray City.

Bought of Jacob Hey

MANUFACTURER OF

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., *in the rear.*

1875

Mar 23	To 12 Instrument Stands	3.60	
" 25	" 1 Gun Stand for pistol	1.50	
Apr 2	" 1 Spittoon & Stand	2.50	
May 1	" 1 Set gun case for pistol	9.00	20.60

Terms Cash. Newark, N. J. May 22 1875

Mess Edison & Murray

To D. M. Meeker & Son, Dr.

Manufacturers of

Malleable, Grey Iron, German Silver and Composition Castings.

DAVID M. MEEKER,
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 115 lbs Cups or Bowls 8	9 20	
" 9½ lbs Grey Buttons 10	95	
" Gating Iron Frame Pattern	1 00	
" Making 4 Metal Pattern Buttons & Gating	1 75	$12 90

New York, May 29 1875

Mess. Edison & Murray

Bought of **PETER SCHILLING,**

BRASS, COMPOSITION, AND GERMAN SILVER FOUNDRY,

No. 43 Eldridge Street.

March 16	16 lb. Brass	J			
"	20 " "	J			
"	16 " "				
"	8 " 10 3/8	J			40 43
April 28	11 " 12	J			6 60
" 29	8 " 14	J			46 83
" 30	8 " 8				1 60
May 3	3 " 3	J			48 23
" 5	8 " 2	J			
" 20	8 " 10				
	121 lb. of Brass @ 40¢		48 40		
April 30	By 8 lb. Cg. returned @ 40		1 60		
			46 80		
	Paid		30		
	8 lb. 15 48 3/10 40 8 20		17 05	43 43	
				1 60	
				45 03	
				3 21	
				48 24	

ALL ACCOUNTS TO BE SETTLED MONTHLY.

STATEMENT.

854

Newark, N. J. May 31st 1875.

Messrs Edison & Murray.

10 Mos 4

Mr Bailey, Crane & Webster, Dr.

LUMBER MERCHANTS,

Terms,

FOOT OF BRIDGE STREET.

May	28	37 ft. 3x3 Maple 5th Story	2 04		
			30	2 31	
		Rec'd Payt			
		Bailey Crane & Webster			
		June 3/75			

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MONTHLY STATEMENT.

Greenpoint, N.Y. May 31st 1875

Messrs Edison & Murray

To J. B. DOBELMANN, Dr.

ADDRESS P. O. Box 65, Greenpoint.

The Greenpoint Flint Glass Works,

Nos. 85, 87, 89, 91 & 93 Commercial Street.

TERMS: Net Cash. No allowance for Exchange. Accounts not paid by the 15th instant, subject to sight draft.

Feby	15	To Mdse.	39 25		
	20	" "	21 95		
	24	" "	24 35		
	26	" "	24 35		
Mar	8	" "	63 60		
	11	" "	6 45		
		" "			$199 95
	12	" "			
Mar	22	By Cash	50 00		
May	1	" Mdse returned	76 40		
	12	" Cash	50 00		176 40
					$23 55
		" "			
		" "			
		" "			
		" "			
		" "			
		" "			
		" "			

Newark, N. J. June 1st 1875

Mr T. A. Edison Dr

To L. N. ETRIS, Dr

PRACTICAL

House Painter, Decorator, Grainer, Paper Hanger and Sign Writer,

No. 222 MARKET STREET.

Painters' Supplies, Paper Hangings And Shades, Constantly on hand, and for sale

Frescoing, Kalcomining, Coloring, Tinting, Gilding, Glazing, &c., &c. Promptly Attended To.

My 27	To 20 pieces Paper at 25	5	00
	To 38 yds Border 3		90
	To Mahogany Frame	5	90
	To Gilding & Lettering	2	00
	To Glazing	2	45
	To Gilding on glass	1	00
		20	55

Please Rymest

L N Etris.

MONTHLY STATEMENT.

New York, June 1 1875

M Edison & Murray

To FRASSE & CO. Dr.,

SUCCESSORS TO WM. H. FRASSE.

Importers of Watchmakers, Jewelers and Mechanics Tools,

62 CHATHAM STREET.

S. J. FRASSE, A. H. BRIGGS.

			Currency.	Gold.
March	1	To Balance	33	67
	3	Mdse	12	53
	5	"	2	93
	19	"	10	45
	23	"	5	64
	27	"	3	15
April	1	"	4	35
	10	"	2	00
	13	"	1	13
	21	"	1	22
	24	"	1	60
			68	77

Please remit

Terms Cash.

NEWARK, N. J. June 1st 1875

Mr. Eddison & Murray

FLAGGING
A SPECIALTY.
Special attention given to
PRIVATE WORK.
Orders for
COAL
PROMPTLY FILLED.

Bought of C. HANNON & SON,

CONTRACTORS,

Grading, Paving, Curbing, Flagging and Sewering of all kinds done in the most substantial manner and Dealers in

ALL KINDS OF COAL.

A SUPERIOR STOCK OF BLUE STONE AND COAL ALWAYS ON HAND.

CORNELIUS HANNON,
CORNELIUS HANNON, Jr.

Office and Yard on Dock 396 OGDEN ST.

Date.	Furnace Lump.	Chestnut Lump.	Grate.	Egg.	Stove.	Chest.	Pea.	Pea and Dust.		
1875										
Mar 6.	Amount of above								96 63	
" 11					3				27 50	
Apr 21					1				7 50	
" 26					1				7 50	
									139 13	
									60	
May 15	By Cash									$78.13

STATEMENT.

Newark, N. J. June 1. 1875.

Mr. J. T. Murray,

To JACOB GAUCH & BRO., Dr.,

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

May 1	To Mahlers, as per bill rendered.		214 13
			17 50
			42 62
			3 60
			17 50
			295 35
			17 50
			277 85
			50 00
			227 85

Monthly Statement.

Newark, N. J. June 1st 1875

Mr. Eddison & Murray

To Albert Haylen, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

5th & 5th Mechanic St.

May 1	To Material	106 86
3	order	4 80
4		2 70
		114 36
May 5	By check	500 Bal. 36

MONTHLY STATEMENT.

Newark, N. J. June 1 1875

Mess. Edison & Murray

Co D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

(Between Broad Street and Passaic River.)

TERMS CASH.

May 4	To Mdse Bal		421 38	
4	" "	16 65		
6	" "	18 88		
11	" "	16 91		
22	" "	12 90		
				65 34
				486 72
May 5	Cr By Cash			100 00
				$386 72

MONTHLY STATEMENT.

Newark, N. J. June 1st 1875

Mr. Edison & Murray

To W. C. Smith Dr.

NICKEL PLATER,

No. 42 Mechanic Street.

	To Bill Rend		
May 9	"	"	5 20
" 14	"	"	60
" 11	"	"	10
" 13	"	"	1 80
" 15	"	"	3 00
			10 70

Vine Street

Newark June 1st 75

Messrs Edison & Murray

To Henry Helling Dr.

1875				
May 25th	15 Brass & Cross Bars	38 lb		$ ¢ 3 80

Received Payment in full

June 5th 1875

Hy Helling

NEWARK, N. J., June 1 1875

Mr. T. Edison

To CHRISTIAN VOLZ,

Livery & Boarding Stable, Undertaker, &c.,

196, 198 & 200 HALSEY STREET.

TERMS:

May	29	To hire Horse: Rukuraij		$3.00	
	30	To two Horses & Jerome Pain		12.—	
				$15.—	
				F. Jerome	
				C. Volz	

STATEMENT.

Newark, N. J. June 1st 1875

Mr. Edison & Murray

To CHAS. W. WALKER, Jr.

MANUFACTURER OF

LEATHER BELTING &c.,

No. 288 MARKET STREET.

		To Merchandise,		5.89	
Apr.	24	" 1 Pride Lace	20	2.00	
May	8	" 5 1/4 ft. R.B. @ 60	3.15	4.50	
	26	" 100 ft. R.B. @ 06	6.00		
	27	" 28 Round Bands @ 28		11.64	27.03

J. W. B.

TERMS CASH.

COPPER, TIN AND SHEET IRON WORK TO ORDER.
Hot Air Furnaces, KITCHEN RANGES, &c., &c.

1873

Newark, N. J., June 1st 1875

Messrs Eddison & Murray

To **HOWARTH BROTHERS**, Dr.

Practical Plumbers,

WM. HOWARTH,
JOHN HOWARTH.

No. 1 Ward Street, near Market.

April 26	To making 1 Telegraph Machine Box	$0.80	
May 3rd	To making 1 Telegraph Machine Box	.80	
"	To 2 Telegraph Machine Boxes at 95	1.90	
6th	To 4 Long Telegraph Machine Boxes 15 cents ea	4.00	
"	To 4 Round Heavy Tin Telegraph Boxes at $1.25	5.00	$12.50

Received Payment
Howarth Brothers
Per Sergt

Agent for the following Works:

Revue de la mode,	Harper's Bazar and Weekly,
Appleton's Journal,	Frank Leslie's Gazette
Illustrated London News,	of Fashion,
The Graphic,	Mme. Demorest's Mirror of Fashion,
London Art Journal,	Clutterbuck,
Chambers' Journal,	Scribner's World,
Eclectic Magazine,	Nature,
Popular Science,	St. Nicholas,
Peterson's Magazine,	The Musical World,
Godey's Lady's Book,	Blackwood's Magazine,
Manufacturer & Builder,	Lippincott's,
Agriculturist,	Sunday Magazine,
Every Saturday,	Milliner & Dressmaker,
Phrenological Journal,	Balmer's Magazine,
Horticulturist,	World of Fashion,
Gulney and Scribners,	Young Ladies Journal,
Atlantic Monthly,	&c.
Scientific American,	
Boz Bells,	
Infants' Magazine,	

General Agent for N. Y. Evening Post.

Subscriptions received for all the Magazines, below Publishers' Rates.

Newark, N. J., June 2nd 1875

Mr Eddison

Bought of P. F. MULLIGAN,

Bookseller, Stationer and News Dealer,

SCHOOL AND BLANK BOOKS OF EVERY DESCRIPTION.

PRINTING AND BOOK BINDING IN ALL ITS BRANCHES.

No. 927 BROAD STREET, near Hill Street.

1 Vest Corynet	$3.75	
Cor Fobre	12	3.87

Received Payment
P F Mulligan

PATENTEES
AND
MANUFACTURERS OF THE
"Sportsman's Favorite"
Metallic Shell,
AND
PATENT LOADERS,
FOR
BRASS & PAPER SHELLS,
For Shot Guns and Rifles.
TERMS CASH.

Newark, N J June 9 1875

Mr of Edison & Murray

Bought of **Geo. E. Hart & Co.,**

MANUFACTURERS OF

Match Machinery, Small Lathes and Tools for Jewelers and Watchmakers,

Models Made, and Jobbing done on Small Machinery.

GEORGE E. HART,
LEWIS D. CHARS.
CHAS. W. COMPTON.

216 MARKET STREET.

To use of Molding Machine 4-0 1/2 Hours (to date)	20/7	8.10

Can do your job immediately
R N GEORGE

PAPER BOXES,
OF EVERY DESCRIPTION,
PLAIN AND FANCY,
Constantly on hand,
AND
MADE TO ORDER.

Newark, N. J., June 12 1875.

Mess. Edison & Murray.

Bought of **JACOB GAUCH & BRO.,**

MANUFACTURERS OF

PACKING BOXES,

TERMS CASH.

Cor. East Mechanic and Bruen Streets.

50 Cases 3 1/4 5 1/4 5 10		5 00

MANUFACTURERS AND IMPORTERS
OF AND
DEALERS IN ALL VARIETIES
OF
Telegraphic & Electrical
Instruments and Supplies.
PARTICULAR ATTENTION GIVEN TO THE
AUDIONE AND REPAIRING OF
Electrical Apparatus.
OF EVERY DESCRIPTION.

TERMS,
NET CASH.

Philadelphia June 14th 1875.

Edison & Murray Newark N.J.

To PARTRICK & BURNELL & CO. Dr.

Telegraph and Electrical Engineers, Contractors, &c.

ORDER

38 SOUTH FOURTH STREET.

6.00	Put #6 Knife Wire Box	6 00	6 00

Mr Telegraphic Gen was to send Report on how got on in it Place

Newark, N. J., June 30 1875

Mr. Edwin T. Murray

Bought of **STEPHEN S. THORN ~~& CO.~~**

~~**John S. Hendrickson,**~~

MANUFACTURER OF

BONNET WIRE OF ALL DESCRIPTIONS,

Also, Copper Wire Covered with Cotton or Silk, for Insulating and Telegraph purposes,

~~All Bills payable JANUARY and JULY~~

FACTORY, 39 OLIVER STREET.

All Bills payable to STEPHEN S. THORN ~~& CO.~~

Mch	5	1 lb 11 oz German silver wire	4 50	1	—		
		German silver silk wire		7	58		
6	3 " 6 oz	— —	—	15	32		
10	5 " 5 oz	— —	—	24	04		
31	11 " 11 —	— —	—	49	92	$97	86

C. P. ZIMMERMAN. ZIMMERMAN & BROWN, Agents. I. P. BROWN, JR.

☞ Claims for Deduction must be made within Ten Days from Receipt of Bill.

Newark, N. J. June 30 1875

Jenning's London Water Closet.

Mr. Edwin T. Murray

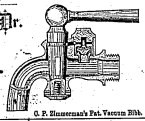
To **Zimmerman & Brown,** Dr.

Practical Plumbers,

GAS AND STEAM FITTERS.

Dwellings, Factories and Stores Heated by Steam, also, Steam Kettles for Cooking.
Dealers in Stoves, Ranges and Furnaces, Fire-Proof Marine Safes.
Warranted to Work. A Large Stock of Gas Fixtures.

Terms—Net Cash. **239 MARKET STREET.**



G. P. Zimmerman's Pat. Vacuum Bibb.

March 16	To 1/2 lb of Solder	30	20	
	" 1 1/2 ft of 2 in Pipe	38	57	
	" 1 2 in Coupling		38	
	" 1-1/2 " Pat L Coupling		22	
	" 3/4 Daphne Valve		89	
Apr. 30	" 1/4 Hose Tap		50	
				6 70

OKB

Received Payment

STATEMENT.

Newark, N. J. July 1 1875

Mess Edison & Murray

To GEO. E. HART & CO., Dr.

TERMS CASH. 216 MARKET STREET.

Bill Eng		8.10

Monthly Statement

Newark, N. J. July 1st 1875

Mess Edison & Murray

SUBJECT TO SIGHT DRAFT ON THE 15TH.

To Albert Hayden, Dr.

54 & 56 Mechanic St.

June 1	To Statement	$ 64 36

O K

B.

763

MONTHLY STATEMENT.

NEWARK, N. J., July 1 1875.

Messrs Edison & Murray

In account with CONDIT, HANSON & CO.

236 MARKET STREET, cor. MULBERRY.

May 13	Cudp	8

OK

Bur

Bond

MONTHLY STATEMENT.

New York, July 1st 1875

Mess Edison & Murray

In account with M. LUKANITSCH,

IMPORTER OF FRENCH AND OWISS

SUPERIOR FILES AND TOOLS,

195 WILLIAM STREET.

As per Bill rendered.	CURRENCY.	COLD.
To balance	71	27
June 3 " Mar	9	16
" 4 " "	4	00
	84	43

$9.16 + $4 must be Murray Batchelor

O Mar [illegible]

STATEMENT.

Philadelphia July 2 1875

Mr Edison & Murray

Jos. Moore & Sons, Dr.

TERMS CASH. 536 & 537 CHINA STREET.

To amt statements rend. $195.07

Sir Jos.

Will you be kind enough to send above by mail to oblige

Yrs truly

Edw. Merritt Jr.

OK B.

All Claims for deductions or damages must be made in writing within three days after receipt of goods.

Newark, N. J. July 1st 1875

Mess. Eddison & Murray

TURNERS OF Every Description.

BOUGHT OF JOHN B. OLLKERS,

Fancy Horn, Bone, Horn, Rubber & Wood Articles,

MANUFACTURER OF COACH TRIMMINGS AND TASSEL MOULDS A SPECIALTY.

Jersey City, N.J. 26 MECHANIC ST.

May 13 Mended as per Bill	5 63
June 3 "	3 08
	8 71
May 14 Overpaid	2 56
Bal $	6 15

NEWARK, N. J. July 1 1875

Mr T. A. Edison

BOUGHT OF S. H. YOUNG,

Stoves, Ranges, Tin and Sheet Iron Work,

PLUMBER, GAS FITTER, &c., &c.,

No. 22 FAIR STREET.

June 27 To 1½ Doz Rubber Gas pipes	5 25
Rec Payment S. H. Young	

JOSEPH MOORE & SONS.
636 & 637 CHINA STREET.

Philadelphia, July 15th 1875.

Received of Mess. Edison & Murray

Seventy five ×/100 Dollars,

on account.

We are obliged. Joseph Moore & Sons.

Very Lt. Brunk
July 20th/75

Mr T Edison
To Henry Ellis Dr.

1875
July 20th 12 Magnets hardening @ 1.30

July 31 1875
Recd of Edison & Murray
Twenty five $25 on account
Williams & Blum
Dickerson

July 31 1875

Recd of Edison & Murray on account forty $40.

D. M. Meeker & Son

Newark Sept 11th 1875

Mr. Miller,

Sir can you pay this balance to Mr Bradley and charge us

$168.65

S. J. Murray

Recd payment Sept 14 1875 D. M. Meeker & Son

MONTHLY STATEMENT.

Newark, N. J., Aug 16th 1875.

Messrs Edison & Murray

To REYNOLDS & WHITLOCK, Dr.,

ENGINEERS & MACHINISTS,

48 Lawrence Street.

1875 March	To Cpe Send		$218.80
1875 May 6	By Cash	$75.	
" 17	" "	150.	
July 10	" "	60.	185.00
			28.80

Gentlemen Please send us Check to balance the above a/c. We have got tired of calling.

JOSEPH MOORE & SONS,
535 & 537 CHINA STREET.

Philadelphia, Oct. 7th 1875

Received of Mess Edison & Murray

Fifty ~~00~~/100 Dollars,

On account

O.K.

J. Moore & Son

Holmes, Booth & Haydens,
MANUFACTURERS OF
SHEET BRASS, COPPER,
BRASS, COPPER AND GERMAN SILVER WIRE,
German Silver and Silver Plated Spoons, Silver Plated Ware,
OFFICE SUPPLIES AND DESKS, BUREAUS AND LAMP FURNISHINGS, &c. &c.

49 Chambers Street, New York, Oct 16th 1875

Received from Mr T. A. Edison for Edison & Murray

Twenty five 00/100 Dollars,

for on a/c

Holmes, Booth & Haydens,

Per M Koch

Holmes, Booth & Haydens,
MANUFACTURERS OF
SHEET BRASS, COPPER,
BRASS, COPPER AND GERMAN SILVER WIRE,
German Silver and Silver Plated Spoons, Silver Plated Ware,
OFFICE SUPPLIES AND DESKS, BUREAUS AND LAMP FURNISHINGS, &c. &c.

49 Chambers Street, New York, Nov 27 1875

Received from T. A. Edison Esq

Thirty and 75/100 Dollars,

for on a/c Edison & Murray

Holmes, Booth & Haydens,

Per E. R. Reed Cashy

$ 31. 75/100

1875. Telegraph - Edison & Murray - Bills of Lading (D-75-016)

Bills of lading.

Not selected.

1875. Telegraph - Edison & Murray - Insurance (D-75-017)

Insurance policy.

Not selected: two similar policies from the Manufacturers Insurance Company and the Merchants' Insurance Co.

1875-11-16

No. 2814

HOME

Insurance Company,

OFFICE:

No. 135 BROADWAY,

NEW-YORK.

CASH CAPITAL, $3,000,000.

Received Premium, $ [illegible]

Policy and Survey, $ [illegible]

THIS POLICY EXPIRES

[illegible]

☞ Please read this Policy carefully, and report any error to the Company's office at Newark.

WM. PLUME, Agent,

Newark, N. J.

DIRECTORS.

LUCIUS HOPKINS.
THOMAS E. TAYLOR.
WILLIAM H. MELLEN.
HORACE MORGAN.
HENRY POOR.
WARD A. WORK.
ISAAC H. FROTHINGHAM.
WM. A. HULLET.
GEORGE E. MORGAN.
OLIVER K. WOOD.
JAMES B. BLAKE.
LEVI P. MORTON.
CURTIS NOBLE.
JOHN N. ROBINSON.
CHARLES F. BALDWIN.
AMOS T. DWIGHT.
JEREMIAH O. HULBURT.
JESSE HOYT.
WILLIAM STURGIS.
CHARLES D. MARTIN.
JOHN F. FORD.
GEORGE T. STEDMAN.
A. R. CUSHMARTH.
WM. H. WHITE.
WM. H. FOSDICK.
THOS. F. BUCKLEY.
F. C. VAN SCHOONHOVEN.
OLIVER S. CARTER.
WM. H. ROBERTS.
GEORGE W. PARSONS.
BENJAMIN TOBIAS.
W. C. DOWNES.
D. A. HEALD.
HENRY MARTIN.
HENRY H. HUNTSMAN.
JOHN BIGELOW.
OLIVER HOYT.
CHARLES WILLOUGHBY.
A. C. RICHARDS.
D. H. McALPIN.

THE

Home Insurance Company,

OF THE CITY OF NEW-YORK.

CASH CAPITAL, $3,000,000.

J. H. WASHBURN, SECRETARY.
T. B. GREENE, } ASSIST'T SECRETARIES.
C. K. FRANCIS. }

CHARLES J. MARTIN, PRESIDENT.
A. F. WILDMARTH, VICE-PRESIDENT.
D. A. HEALD, 2d VICE-PRESIDENT.

☞ If this Policy is cancelled the following receipt is to be filled up and signed by the assured.

..... 187

In consideration of ..... Dollars, *Return Premium, the Receipt of which is hereby acknowledged, this Policy is cancelled and surrendered to the* HOME INSURANCE COMPANY.

..... Assured.

No. 2814 — STOCK COMPANY.—CASH CAPITAL, $3,000,000. — $5000

BY THIS POLICY OF INSURANCE,

THE

HOME INSURANCE COMPANY,

OF THE CITY OF NEW YORK,

In Consideration of Sixty two 50/100 *Dollars,*

To them paid by the Insured hereinafter named, the receipt whereof is hereby acknowledged, **Do Insure**

Joseph P. Murray.

AGAINST LOSS OR DAMAGE BY FIRE, TO THE AMOUNT OF

Five Thousand Dollars.

$1000. On his Stock of Telegraphic Apparatus, Electrical, and other Machines, Manufactured, Unmanufactured and in process of Manufacture, and on Materials for Manufacturing the same, his own, or held by him in trust, on commission, or sold but not delivered. and
4000. Machines, Machinery, Shafting, Belting, Pulleys, Hangers, Patterns, Shop, and Office Furniture, and Fixtures, Gas, Steam, and Water Pipes, Tools, and Implements of Trade. All contained on the fourth floor, and half of the second floor of the four story brick Building, situate Nos 10 and 12 Ward Street Newark, N.J.
Other Insurance permitted without notice until required

Sum Insured,	$ 5000
Time,	12 Mo.
Rate,	1.25
Premium,	$ 62.50

And the said HOME INSURANCE COMPANY hereby agree to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the Sixteenth day of November one thousand eight hundred and seventy-five at twelve o'clock at noon, to the Sixteenth day of November one thousand eight hundred and seventy-six at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at the office of the Company in New York, in accordance with the terms and provisions of this Policy, unless the property be replaced, or the Company shall have given notice of their intention to rebuild or repair the damaged premises.

1. If an application, survey, plan, or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon; or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain with the knowledge of the assured, without notice to, and consent of, this Company, in writing, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over, or extra time, or running at night, or if it shall cease to be operated, without special agreement endorsed on this Policy; or if the property be sold or transferred, or any change takes place in title or possession, (except by succession by reason of the death of the insured), whether by legal process, or judicial decree, or voluntary transfer or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company endorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fire-works, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naphtha, gasoline, benzine, benzole, or benzine varnish; or keep or use camphene, spirit gas, or any burning fluid or chemical oils, without written permission in this Policy; then, and in every such case, this Policy shall be void. Kerosene oil, however, may be used for light in dwellings, stores, churches and school-houses, and kept for sale in stores in quantities not exceeding five barrels—to be drawn by daylight only.

2. This insurance does not apply to or cover jewels, plate, watches, musical or scientific instruments (piano-fortes in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosions of any kind, unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. In case the use or occupation of the above mentioned premises, at any time during the period for which this Policy would otherwise continue in force, shall be so changed as to increase the risk thereupon, except as may be hereafter agreed to by this Corporation, in writing, upon this Policy, from thenceforth, so long as the same shall be so used, this Policy shall be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after the fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything less than a distinct, specific agreement, clearly expressed, and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance upon the property hereby insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner. Any Floating Policy attaching, in whole or in part, to the property covered by this Policy, shall, as between the assured and this Company, be considered as contributing insurance for the full amount of such Policy, and liable as such to pay *pro rata* any loss, total or partial, on the property hereby insured.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. This insurance may also be terminated at any time at the option of the Company, on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss in writing, to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated; and shall also produce a certificate under the hand and seal of a Magistrate or Notary Public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such Magistrate or Notary Public shall certify. The assured shall, if required, submit to an examination or examinations under oath, by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit to any person or persons named by the Company, for examination, all that remains of the property which was covered by this Policy, damaged or not damaged.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one-half of the appraisers' fees to be paid by the assured. The Company reserve the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud, or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to impartial arbitrators, whose award in writing shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and, provided further, that it shall be optional with the Company to repair, re-build or re-place the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in all cases, whether this Company elect to rebuild or not, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

10. This insurance (the risk not being changed) may be continued for such further time as shall be agreed on, provided the premium therefor is paid and endorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to this insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ GAS.—The generating or evaporating within the building or contiguous thereto, of any substance for a burning gas, or the use of gasoline for lighting, is prohibited under this Policy, unless permitted in writing hereon.

☞ FENCES AND OTHER YARD FIXTURES, also STORE FURNITURE and FIXTURES, are not covered by insurance on the building, but must be separately and specifically mentioned.

☞ PLATE GLASS doors and windows, when the plates are of the dimensions of nine square feet or more, are not covered by insurance on the building, but must be separately and specifically insured.

☞ FRESCOED WORK, or gilding on walls or ceilings, is not covered by insurance on the building, but must be separately and specifically insured.

☞ BUILDER'S RISK.—The working of carpenters, roofers, tinsmiths, gas-fitters, plumbers, or other mechanics, in building, altering or repairing the premises named in this Policy, will vitiate the same, unless permission for such work be endorsed in writing hereon, except in dwelling houses only, where five days are allowed in any one year for incidental repairs, without notice or endorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to, in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, The Home Insurance Company *have caused these* PRESENTS *to be signed by their* PRESIDENT, *and attested by their* SECRETARY, *in the City of* NEW-YORK. *But this Policy shall not be valid unless countersigned by the duly authorized Agent of said* HOME INSURANCE COMPANY *at* **NEWARK, N. J.**

J. H. Washburn, SECRETARY

Chas. J. Martin, PRESIDENT

Countersigned at **NEWARK,** *this* 16 *day of* November 1875

W. Russell, AGENT

CLASSES OF HAZARDS.

HAZARDOUS.

Bristles and Hair Cloth (wholesale),
Boots and Shoes (wholesale) including India rubber Boots and Shoes,
Carpets (retail stocks of),
Card Printing (by hand power),
Carriage Trimmings,
Carriages and Sleighs,
Clothing (wholesale stocks of), ready made,
Coffee,
Cordage,
Cotton Batts and Wadding,
Cotton Yarn,
Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages.

Dry Goods, (wholesale stocks of).
Drugs, dry, in packages (importers' stocks of),
Flax, in bales,
Fire Crackers, in packages,
Flocks,
Flour,
Fruits (wholesale stocks of),
Furs and Peltries, in unbroken packages,
Furs, unpacked,
Grocers' Stocks,
Grocers' Stocks(retail),
Glass, window, in boxes,
Gum Copal,
Gum Shellac,
Gunny Cloth and Gunny Bags,

Gutta Percha, unmanufactured,
Hardware, staple, in packages,
Hatters' Furs (stocks of),
Hats and Caps (wholesale stocks of), without manufacturing,
Hemp, in bales,
Hides and Sole Leather,
Hops, in bales,
India Rubber, unmanufactured,
Indigo,
Iron ware, wholesale, (also, stoves, tin-ware and hollow ware),
Iron Goods, ornamental, japanned and bronzed, (stocks of),
Leather, Morocco and Findings,
Machinery, (stocks of), on sale,

Manilla grass, in bales,
Men's Straw Hats and Caps (stocks of),
Nails, (stocks of),
Oakum, in bales,
Oil (fish and vegetable),
Oil Cloths (stocks of),
Paints ground in oil
Paper, in reams, and straw boards,
Paper Hangings (wholesale),
Pins, (stocks of),
Pot, Pearl and Soda Ashes,
Provisions,
Rice,
Saddlery and Harness (stocks of),
Salt-making,
Salt,

Sewing Machines (stocks of),
Sisal grass in bales,
Spices,
Sugars,
Sulphur,
Tallow,
Teas,
Threshed Grain
Tobacco, plug and twist, in boxes or kegs (wholesale). [See Extra Hazardous.]
Trunks (stocks of),
Whalebone,
Whisky, in barrels (stocks of),
Wool,
Wines and Liquors, in packages, (importers' stocks of).

EXTRA HAZARDOUS.

Artificial flowers,
Artists' materials,
Auction stores,
Agricultural Implements, including Seedmen's stocks,
Alcohol,
Apothecaries' stocks,
Asphaltum,
Band Boxes (stocks of),
Booksellers' stocks,
Boots and Shoes (retail),
Brushes, (stocks of),
Bag making (cloth) by hand power,
Bakeries, with ovens outside the building, and using coal only,
Basket selling,
Billiard saloons and contents,
Blacksmith shops,
Boot and Shoe manufacturing, (by hand-power only),
Bottling Cellars,
Brush makers' stocks,
Cabinet ware, without manufacturing, repairing, upholstering or varnishing,
Carving, by hand power,
China, unpacked,
Clothing, ready-made (retail stocks of), also merchant tailors',
Confectioners' stocks,
Corks (stocks of),
Car-springs (gutta percha or India rubber),

China, or earthen, or glass ware (wholesale and retail stocks of), with privilege of packing or unpacking,
Copperplate printing,
Cooper's shops, (strapping boxes only),
Corset making,
Daguerreotype and Photographic stocks,
Daguerreotype and Photographic establishments,
Dress Trimmings, (stocks of),
Dry Goods, retail (stocks of),
Earthenware, unpacked,
Eating houses,
Electro plating,
Essential oils,
Fancy Goods (wholesale & retail stocks of),
Feathers, (stocks of),
Fishing Tackle,
Fringes, (stocks of),
Fringe making by hand power,
Fruits, (retail stocks of),
Furriers' and Hatters' stocks, unpacked,
Furs, cutting and sewing, without fire heat,
Gas fitting,
Gas Fixtures,
Gentlemen's furnishing goods, (wholesale and retail stocks of),
Gimps, (stocks of),
Glass window or plate, unpacked,
Gilding,

Glass ware, unpacked; Looking-glasses unpacked,
Gun repairing,
Gutta percha goods, except boots & shoes,
Hardware and Cutlery,
Hats and Caps (retail), without manufacturing,
Hat (straw, grass or chip) bleaching,
Hay and straw, pressed in bundles,
Hoop skirts and hoop skirt materials, (stocks of),
Hoop skirt manufacturing, by hand, without fire heat,
House furnishing goods (retail stocks of),
India rubber goods (stocks of), except boots and shoes,
Iron (hoop, sheet and rod),
Jewelers' and Watchmakers' stocks,
Kid Gloves (stocks of),
Ladies and children's furnishing goods, (stocks of),
Laces and embroideries, (wholesale),
Lampsellers' stocks without camphene, burning fluid, spirit gas, or kerosene,
Lager bier saloons,
Lime, unslacked (stocks of),
Liquors in glass, unpacked,
Lithographers,
Looking-glasses (stocks of), with privilege of packing or unpacking,

Map mounting and varnishing,
Matches on sale (stocks of),
Metals, in bars, pig and tin plates,
Military goods (stocks of),
Millinery goods (wholesale and retail stocks of),
Needles, (stocks of),
Optical and mathematical instrument makers' stocks,
Painters' stocks,
Paper Hangings (retail stocks),
Paper Collars,
Paper boxes (stocks of),
Pawnbrokers' stocks,
Perfumer's stocks,
Precious stones,
Percussion caps,
Piano-fortes, in warerooms,
Picture frame joining,
Pitch,
Plumbing and pewtering,
Pocket-book makers' stock,
Pocket-book making (without use of fire heat),
Porter-houses, bar-rooms, sample-rooms, and retail liquor stores,
Rags in bales,
Rectifying liquors by cold process only,
Refectories,
Resin,

Restaurants
Saddlery and harness manufacturing,
Sheet Iron and Copper ware (retail),
Shirt Manufactories (without ironing),
Ship chandlery,
Silversmiths' stocks,
Silver and plated ware,
Spirits of Turpentine,
Stationers' stocks,
Stoves (retail stocks of),
Straw Goods (wholesale and retail, stocks of,)
Tar,
Tailors' trimmings, (stocks of),
Tin and hollow ware (retail),
Tin or sheet iron or copper working,
Tobacco, leaf and cut, cigars and snuff (wholesale and retail),
Tow in bales,
Turpentine,
Umbrellas and parasols (wholesale and retail), with privilege to put together and finish by hand only,
Upholsterers' stocks,
Watchmakers' tools,
Watches, in packages as imported,
Wine in glass, unpacked,
Worsted and fancy wools, (importers' stocks of),
Yankee Notions.

SPECIALLY HAZARDOUS.

Acids (nitric, sulphuric, muriatic, and other acids causing ignition),
Band-box and Paper-box making,
Bakeries, ovens within the building, or using wood or shavings,
Bark Mills,
Bellows making,
Bleaching works,
Blind makers' shops,
Blacksmithing,
Block and Pump making,
Boat Builders' shops,
Book binderies,
Boot and Shoe manufactories, with fire heat),
Box repairing,
Brass Foundries,
Breweries,
Brick Yards, with kilns,
Brimstone works,
Brush manufactories,
Burning fluid,
Cabinet-makers' shops,
Cabinet ware (stocks of), with privilege to varnish and upholster,
Candle manufactories,
Camphene, on sale,
Cap manufactories,
Carpenters' shops,
Chair-makers' shops,
Chemical laboratories,
Coach makers' shops,
Coffee and Spice mills,
Comb manufactories,
Confectionery manufactories,

Coopers' shops,
Coppersmiths' shops, with forges,
Corn kilns,
Cotton mills,
Cotton presses,
Cotton in bales,
Cotton unpacked,
Distilleries & Rectifying establishments,
Drug stores, with privilege of compound'g,
Druggists' stock (wholesale),
Drug and Spice mills,
Dyeing establishments,
Ether,
Fire-works,
Fire-work manufactories,
Flax mills,
Flax, unpacked,
Floor-cloth manufactories,
Fringe manufactories,
Fulling Mills,
Fur Dressing establishments,
Gas Fixtures manufactories,
Gas manufactories,
Glass manufactories,
Gold pen making,
Grate manufactories,
Grist or Flouring mills,
Gun manufactories,
Gunpowder,
Hat manufactories,
Hay, unpacked,
Hay Presses,
Hemp Manufactories,
Hoop skirt manufactories, by machinery or fire heat,

Hemp, unpacked,
Hotels,
Houses building or repairing,
Ink manufactories,
India Rubber and Gutta Percha manufactories,
Iron foundries,
Ivory-black & Lamp-black manufactories,
Japanning,
Jewelry manufactories,
Jewelry case making,
Junk shops,
Lamp manufactories,
Lampsellers' stocks (with privilege of keeping camphene, or kerosene,)
Laundries,
Lime yards and sheds,
Lime, unslacked,
Livery Stables,
Looking-glass and Picture Frame manufactories,
Lumber Yards,
Machine shops,
Manilla Grass, unpacked,
Mahogany Yards,
Malt houses,
Match manufactories,
Metal mills,
Musical instrument manufactories,
*Musical instruments (stocks of),
Mungo,
Nitrate of Soda,
Oiled clothing manufactories,
Oiled clothing (stocks of),
Oil mills and manufactories,

Oils, resin, and similar,
Oil refineries,
Omnibus stables,
Packing buildings and yards,
Paper Rag manufactories,
Paper Hanging manufactories,
Paper Mills,
Percussion Cap manufactories,
Perfumery manufactories,
Phosphorus,
Pictures and Prints,
Planing, or Grooving or Moulding mills,
Plating,
Plated-ware manufacturing,
Pocket-book making,
Pork houses,
Powder mills,
Printed Music,
Printing of books, and job printing,
Print works,
Provisions in process of being smoked,
Rag stores,
Rags and Paper stock,
Rolling mills,
Rope and Cordage manufactories,
Safe (iron) manufactories,
Saltpetre,
Sash-makers' shops,
Saw mills,
Segar manufactories,
Ship building or repairing,
Shoddy,
Silversmiths' manufactories,
Smoke houses,
Snuff mills,

Soap manufactories,
Spirit Gas manufactories and Spirit Gas on sale,
Stave yards,
Steamboats,
Steam boilers in use,
Steam engines in use,
Stove manufactories,
Sugar refineries,
Tallow Melting establishments,
Tanneries,
Tar Boiling establishments,
Taverns,
Theatres and other places of public exhibition,
Timber yards,
Tobacco manufactories,
Tow, unpacked,
*Toys (shopkeepers' stocks of),
Trunk making,
Turpentine Distilleries,
Type and Stereotype foundries,
Umbrella manufactories,
Upholstery manufactories,
Varnish manufactories,
Wheelwrights' shops,
Window shade painting,
Wood and willow ware (stocks of),
Woolen mills,
Wool waste,

And generally all workshops, mills and manufacturing establishments, and all trades and occupations, requiring the use of fire heat, not above enumerated as hazardous or extra hazardous.

The Home Insurance Company *hereby consent that the interest of* ....
in the within Policy, subject to all the terms and conditions therein mentioned and referred to, be assigned to
....

..............................*187* ....**Agent.**

For Value Received, ...*hereby transfer, assign and set over unto* ....
and .... *assigns, all* .... *title and interest in this Policy, and all advantage to be derived therefrom.*

Witness .... *hand and seal, this* .... *day of* *187*

Sealed and delivered in presence of

L.S.

The Home Insurance Company *hereby consent that the interest of* ....
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Sealed and delivered in presence of

L.S.

1875. Telegraph - Edison & Murray - Orders (D-75-018)

Correspondence, orders.

Much of the material in this folder concerns the shipment of supplies for the automatic telegraph by Edison & Murray to the Atlantic & Pacific Telegraph Company.

The following notation, written by an archivist, appears on many of the documents: "Used in law suit: Edison vs. A & P and Domestic Telegraph Co. Apr. 1878."

Documents relating to supplies for the Atlantic & Pacific Telegraph Company have been filmed after other documents.

All selected.

Office of
D. M. Meeker & Son,
FOUNDRIES,
87 to 95 Clay St. Newark, N.J.
David M. Meeker. S. J. Meeker.

Newark N.J.
March 1st 1875

Mr Batchelor

Dear Sir

We send by the bearer the pattern you sent him for. You will please notice that we cast them without a core thus making a much nicer job than with one, We believe our Mr D.M.M. spoke to you in reference to their being so light on the top

Yours Respy
D.M. Meeker & Son
Coy

Philadelphia Local Telegraph Co.

HENRY BENTLEY, President.
W. P. WHEATLAND, Secy & Treas
SAMUEL H. PLUSH, Supt.
HARRISON STILES, Manager.

EXECUTIVE OFFICE,

GOLD & STOCK REPORTING TELEGRAPH.

107 South Third Street.

This Company will furnish as Correct GOLD and STOCK QUOTATIONS, GOVERNMENT SECURITIES, COTTON, NAVAL STORES, BREADSTUFFS, PETROLEUM, PROVISIONS, FOREIGN EXCHANGE, and General COMMERCIAL and FINANCIAL NEWS REPORTS from all the principal Cities in the United States, and also, from one to three daily from PARIS, LONDON, LIVERPOOL, ANTWERP, FRANKFORT, (GERMANY,) etc., etc., to its Subscribers as can be obtained by experienced Reporters, *but will not be responsible for any transactions based thereon.* ☞We also furnish COMMERCIAL, SHIPPING, and MARINE NEWS REPORTS from all the principal SEAPORTS in NORTH and SOUTH AMERICA, EUROPE, INDIA, CHINA, JAPAN, AUSTRALIA, CUBA, etc., etc., as may be desired; as well as receive for transmission ABROAD by CABLE, Registered telegrams at reduced rates.

Philadelphia, 3rd Mo. 3rd 1875

Dr Sir.

Am I right in understanding you to say that the Edison double type wheel printer (Stocks) such as you altered for the Bd of Pokes are the same price as the old ones $50.? Of course I know you charge $25 for altering the old ones over but when you make a lot new I presume the cost is no more than to make them old style or not much more to make it worth speaking about. I am contemplating a change in 125 or 150 printers in our Bd & Rooms, altered similar to yours and I want quotation prior to before starting out I wish to know just what I am at. Immediate reply will much oblige yours truly

Yours Truly
Henry Bentley
Pres

To Mr J.H. Edison Cor

Philadelphia Local Telegraph Co.

HENRY BENTLEY, President.
W. P. WHEATLAND, Secy & Treas
SAMUEL H. PLUSH, Supt.
HARRISON STILES, Manager.

EXECUTIVE OFFICE.

GOLD & STOCK REPORTING TELEGRAPH,

107 South Third Street.

This Company will furnish as Correct GOLD and STOCK QUOTATIONS, GOVERNMENT SECURITIES, COTTON, NAVAL STORES, BREADSTUFFS, PETROLEUM, PROVISIONS, FOREIGN EXCHANGE, and General COMMERCIAL and FINANCIAL NEWS REPORTS from all the principal Cities in the United States, and also, from one to three daily inland by experienced Reporters, *but will not be responsible for any transactions based thereon.* ☞We also furnish COMMERCIAL, SHIPPING, and MARINE NEWS REPORTS from all the principal SEAPORTS in NORTH and SOUTH AMERICA, EUROPE, INDIA, CHINA, JAPAN, AUSTRALIA, CUBA, etc., etc., as may be desired; as well as receive for transmission ABROAD BY CABLE, Registered telegrams at reduced rates.

Philadelphia March 25th 1871

Mess. Murray & Edison.
Gent.:

We have shipped you per adams Express this day eight of your old style stock printers which we wish altered over the same as you altered for the Gold & Stock Co. Newyork, which we understand you will do for $25 cash.

We have quite a lot to have altered which we will send you from time to time as we can spare them.

As you have them completed please return them per Adams Express to us soon as convenient.

Yours Respy
Henry Bentley
Treas'y

Philadelphia Local Telegraph Co.

EXECUTIVE OFFICE,

GOLD & STOCK REPORTING TELEGRAPH.

107 South Third Street.

HENRY BENTLEY, President.
W. P. WHEATLAND, Sec'y & Treas
SAMUEL M. PLUSH, Supt.
HARRISON STILES, Manager.

This Company will furnish as Correct Gold and Stock Quotations, Government Securities, Cotton, Naval Stores, Breadstuffs, Petroleum, Provisions, Foreign Exchange, and General Commercial and Financial News Reports from all the principal Cities in the United States, and also, from one to three daily issued by experienced Reporters, *but will not be responsible for any transactions based thereon.* ☞We also furnish Commercial, Shipping, and Marine News Reports from all the principal Seaports in North and South America, Europe, India, China, Japan, Australia, Cuba, etc., etc., as may be desired; as will be receive for transmission Messages by Cable, Registered telegrams at reduced rates.

Philadelphia April 23rd 1875

Odiorne & Murray

Gents:

Yours of 21st referring to numbers on printers sent you for alteration has been rec'd. I find that in copying the number from the base, it was put down as 670 instead of 679, which is correct.

The reason we did not send more at that time was that we were scarce of instruments and did not wish to buy more of the old style than was really necessary, we thought to have them altered few at a time so that we might keep going with what we had.

I noticed some of your improved stocks working last week in New York on which the old style solid heavy type wheel had been replaced with

a much lighter type wheel, with spokes, or at least as much as possible of the dead weight cut away, I think this a great improvement.

We will send you others from time to time as we receive the altered ones from you.

Respy &c.

Henry Bentley

Secy.

H Bentley
Oct 23

Cmm

Office of CHAS. H. GRAEF,

Manufacturers' Agent and Commission Merchant in

HARD RUBBER STOCK, ETC.

77 CHAMBERS STREET.

P. O. Box. 1446.

New York, April 23rd 1875

Mr. Edison

Newark N.J.

Gentlemen, I have just on hand a very Good supply of Rare rubber Stock, such as Sheet, Rods, tube etc, Key knob, Switch balls. — I would be very much pleased, if you would give me a call, as I will sell you as cheap as anybody, and I think I can give you a few days of me at a less price than Elsewhere. —

I enclose samples of Sheet, Rod, Key knob, Switch balls.

Soliciting your orders,

I remain

Yours truly

C. H. Graef Jr.

J. B. FULLER,

MANUFACTURER OF ALL KINDS OF

Metal Lamps and Lamp Fixtures,

METAL SPINNING IN ALL ITS BRANCHES,

Dipping, Bronzing and Lackering.

Lamps for Steamships, Railroads and Factories.

496 Cherry Street,

NEW YORK, May 10 1875

Mr Edison & Murray
Gents.

I saw on Broadway today several telegraph apparatus arranged on a table about 3½ or 4 ft long.

I write to ask you the price of such a table with the shaft underneath it & the rest with no crank, pulley or balance wheel, and how soon you could send me one

Yours Truly
J. B. Fuller

Trenton, N. J. Sept. 17 1870

Mr T. A. Edison Esq

Dear Sir

Please find enclosed Check for 30.00 Dollars for emery Wheels, Send them immediately

Yours Truly

Wm Ashley
Secy.

OK. Batch
Have Em Sent

Send 18 receipts
Bill
J Batchelor

Mercer Life Co
Trenton
Sep 14 1875

OFFICE OF

James W. Queen & Co.

OPTICIANS,

601 Broadway, New York. 924 Chestnut Street, Philadelphia.

New York, Oct. 7th 1875,

Thos. A. Edison

Dear Sir:-

We received your order a few days ago and sent it to our successor in the Philosophical business Mr N. H. Edgerton 924 Chest St. Phila with instructions to send them to you at once C.O.D. by Express.

We have sold all the above Philosophical business to Mr Edgerton and keep nothing now ourselves.

Very truly

James W. Queen Co

per Nelson

OFFICE OF

EUGENE F. PHILLIPS,

Manufacturer of Hoxie & Reed

Patent Flexible Gas-Tight Tubing,

No. 20 Conduit Street.

Providence, R. I. October 15th 1875

T. A. Edison Esq

Dear Sir

Shall be pleased to furnish you with sample like enclosed @ 9c per yd, or with coated @ 12c per yd.

Yours truly

E. F. Phillips

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rates of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME.	RECEIVED BY	CHECK.
16	B.	1 Pm	S. D. Stolle	

Dated. Oct 15 1875 Received Tracy's 182 Market St. Oct 15 1875

To T. A. Edison

Will	Send	Sample	&	Price
by	Mail	tonight		
		Eugene F Phillips		

Van Kleek, Clark & Co., Printers, 98 Vesey Street, N. Y.

Form 10.

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ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME.	RECEIVED BY	CHECK.
31	Om	4:10	F	14 S. P.

Dated. Orig'l Oct 15 Rec'd at Tracy's 182 Market St. Oct 15 1875

To T. A. Edison 30 Grand St

Can	fill	an	order	at
once	price	one	Dollar	forty
two	Cents	per	pound	

Joseph Moore & Sons

Van Kleek, Clark & Co., Printers, 98 Vesey Street, N. Y.

The Atlantic and Pacific and Franklin Telegraph Companies,

R. M. L. Shaw, Gen'l Manager
Jas. G. Smith, Asst'g Supt.

SUPERINTENDENT'S OFFICE.

Gen'l Office, Pres. Lines.
W. H. Orr, Pres. Prob.

No. 108 Broadway,

W. C. HUMSTONE, Supt.,
1st Division.

New York, February 25th 1875

Messrs Edison & Murray.
10 & 12 Ward St. Newark N.J.

Dear Sirs

Buffalo reports having received but one Hundred Cups of Automatic Battery.— Your Bill of Feby 12 says 120. Will you please see if any error in Shipment, If not will you please trace.

Very truly Yours
Edward C. Cooley
Supply Agent

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies.

No. 198 Broadway.

Thos. T. Eckert, President
~~John Tyler~~
W. H. Guion, Vice President
E. D. Sweet, Executive Manager

New York February 23rd 1875

Messrs Edison & Murray—
1012 Ward St.—
Newark N.J.—

Dear Sirs,—

Please furnish for the Office at Newark N.J. One (1) New Style Automatic Relay. Please notify me when it is ready & send the bill for the Same to me.

Hereafter when shipping goods will you be so kind as to send Invoice of Same to me.

Very truly Yours
Edward C. Bailey
Supply Agent A & P & F Tel Cos

Blank No. 1.

ATLANTIC & PACIFIC TELEGRAPH COMPANY

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

W. H. GUION, Vice-Pres't, ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

Dated at Brooklyn Feb 26 1875

Received at

Addressed to E. H. J.

Can you send one a set of pinnacles & die for brush that of our old Carpenter does not at end alone & I want one to put out Broyler

Repd to Edison & Murray
Newark

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

Blank No. 1.

ATLANTIC & PACIFIC Telegraph Company

JOHN DUFF, Pres., ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

242

Dated at _____ 187 3

Received at _____ 27

Addressed to Ed H Johnson

Cents to Buffalo are
Table complete this morning
Batchelor
Newark N.J

DH

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

Will you
Batchelor Rev
Head & Spears
receipt for this
Food & Supply
Department &
to E. L. Cooke
Supply agt.
and also send
him a Memorandum
of what
constitutes a
complete Table
Set

R. Shurz

May 1/67

NEW JERSEY EXPRESS COMPANY,

EXPRESS FORWARDERS.

No. 1. [DOMESTIC BILL OF LADING.] Newark, N. J., Feb 27th 1875

RECEIVED of Edison & Ullmar

3 Boxes

VALUE 50 00

For which this Company charges

Marked Atlantic & Pacific Tel. Co Buffalo N.Y.

Which it is mutually agreed is to be forwarded to our Agency nearest or most convenient to destination only, and there delivered to other parties to complete the transportation.

It is part of the consideration of this contract, and it is agreed, that the said Express Company are Forwarders only, and are not to be held liable or responsible for loss or damage to said property while being conveyed by the Carriers to whom the same may be by said Express Company intrusted, or arising from the [illegible] Breakage or from any cause whatever, unless, in every case, the [illegible] shall the holder hereof demand beyond [illegible] insured by them, and so specified in this [illegible] intrusted or delivered to any other Express [illegible] shall be regarded exclusively as the [illegible] for the negligence or non-performance [illegible] receipt contained, shall extend to and insure [illegible] described property for transportation, and [illegible] be liable for any loss or damage, unless [illegible] its receipt shall be annexed. All articles [illegible] any shall not be held responsible for any [illegible], that said Company shall not, in any [illegible] insurrection or Riot, or the dangers incl[illegible] collected from the consignee on delivery [illegible] company may return said property to him [illegible], and that the liability of this Company [illegible]

1 Table complete, 2 Belts, 2 Rec reels, 24 tin reels, 11 Blocks, 3 Roller pens, 4 Rec pens, 1 piece wire for pens, 6 Boxes for perforating paper

Buffalo N.Y.

A copy Edison Ullmar Chas Batchelor

February 4. Probably lost { 1 Large reel, 4 Standards } Not rec'd

" 5 #1 Automatic Table Complete ✓

2 Extra Belts — Not rec'd

2 Wet Paper Reels — Not rec'd

24 Tin Reels — Not rec'd

11 Blocks ✓

Think Stolen and Jobbed Here { 3 Roller Pens — Not rec'd; 4 Rec'g " — Not rec'd; 1 Piece Pen wire — Not rec'd }

" 10 4 Clocks Complete ✓

12 Blocks ✓

6 Bottles Glue ✓

120 Cups Battery ✓

" 22 1 Iron

" 23 3 Roller Pens ✓

1 Large Reel ✓

" 24 100 Rolls Wet Paper ✓

" 27 1 Automatic Table Complete ✓

2 Extra Belts ✓

2 Receiving Reels ✓

24 Tin Reels ✓

11 Blocks ✓

2 Roller Pens ✓

4 Receiving Pens ✓

1 Piece Pen wire ✓

6 Boxes for Perforating Paper ✓

M. M. Co. Buffalo N.Y.

Blank No. 2.

W. H. GUION, Vice-Pres't. ALFRED NESSON, Sec'y.

This all message shall be subject to the conditions which conditions have been by the sender of this message.

R. D. L. SWEET, Gen. Agt.

Dated at Buffalo 25 Feby 1873

Received at 11:27 Am

Addressed to Edwd C. Cooley

Supply agt Rec'd

Receive one hundred Cups

Baby working Automatic

Dr. A. McCoy

Mngr

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE

WHERE ANY REPLY SHOULD BE SENT.

Must have full assorted by same Express Forward Otto Betchelorship

February	1 Large Pen				
Probably not	4 Standards	Not rec'd	" 22	1 Pen	
" 5	# 1 Automatic Table Complete	✓	" 23	3 Roller Pens	✓
	2 Extra Belts	Not rec'd		1 Large Ruler	✓
	2 Wet Paper Rolls	Not rec'd	" 24	100 Rolls Wet Paper	✓
	24 Tin Rolls	Not rec'd	" 27	1 Automatic Table Complete	✓
	11 Blocks	✓		2 Extra Belts	✓
	3 Roller Pens	Not rec'd		24 Receiving Rolls	✓
Short Stock and probably not	4 Rec'g "	Not rec'd		24 Tin Rolls	✓
	1 Pen Pen wire	Not rec'd		11 Blocks	✓
" 10	4 Clocks Complete	✓		3 Roller Pens	✓
	12 Blocks	✓		4 Receiving Pens	✓ #
	6 Bottles Glue	✓		1 Pen Pen wire	✓
	120 Cups Battery	✓		6 Boxes for Preparing Paper	✓

M. A. Mace
Buffalo Feb 16 73

Blank No. 1.

ATLANTIC & PACIFIC Telegraph Company

W. H. GUION, Vice-Prest, ALFRED NELSON, Sec., E. D. L. SWEET, Exec.

No 103

Dated at Buffalo 27th Feby 187

Received at 2.47 P.M.

Addressed to Edwd C. Cockey

Supply agt N. Y.

We need two barrels Glasses three boxes zincs one box carbon one box Connections containing one hundred & ten cups automatic battery complete

M. A. McCoy

Mngr

D.J.H.

PLEASE ANSWER BY THIS LINE

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

must have full amount of some Edison materials

Chas Batchelor Supt

Henry 4 } 1 Large new
Bobbly Coat } 4 Standards Not Rec'd

" 5 #1 Automatic Table Complete ✓
2 Extra Bells Not rec'd
2 Gutta Percha Rolls Not rec'd
24 Zinc Rolls Not rec'd
11 Brooks ✓
3 Roll Pens Not Rec'd
4 Recg " Not Rec'd
1 Pen Reversing Not Rec'd
10 4 Clocks Complete ✓
12 Brooks ✓
6 Bottle Glass ✓
120 Cups Battery ✓

" 22 Not Rec'd
" 23 3 Roll Pens ✓
1 Large Roll ✓
" 24 100 Rolls Gutta Percha ✓
" 27 1 Automatic Table Complete ✓
2 Extra Bells ✓
2 Recording Rolls ✓
24 Zinc Rolls ✓
11 Brooks ✓
16 Roll Pens ✓
4 Recording Pens ✓
1 Pen Reversing ✓
6 Bottles Glass Battery Paste ✓

EDISON & MU

MANUFACTURERS OF

Telegraph Instrum

Nos. 10 & 12 WARD STREET,

T. A. Edison,
J. T. Murray,

Newark, N.J. Feb 20

Edward C. Cooley
Esq

5 Buffalo wet battery we sent
3 Kettle & 6 Trees
not have contained 140
Glass jars & 140 porous cups
Trees 1 Box contained 30
Carbons 1 Box contained 120
120 Clamps & 1 Box contained
Pins as by the above that
they could not possibly have
received only 1010 the other
nearly full for boxes
No. 1 of them shipping
full at the time of your
are any boxes but that
must have fell another
of some Edison Telegraph
Chas Batchelor esq

February 4. Probably not { 1 Tape reel
4 Standards Not rec'd

" 5 1 Automatic Table Complete ✓
2 Extra Bells Not rec'd
2 Wet Paper Rolls Not rec'd
24 Pen Rolls Not rec'd
11 Blocks ✓
Shook Stockwood Jobbed Here { 3 Roller Pens Not rec'd
4 Rec'g " Not rec'd
1 Pen Reviver Not rec'd

" 10 4 Clocks Complete ✓
12 Blocks ✓
6 Bottle Glue ✓
120 Cups Battery ✓

" 22 1 Pen Reviver

" 23 3 Roller Pens ✓
1 Large Roll ✓

" 24 100 Rolls Wet Paper ✓

" 27 1 Automatic Table Complete ✓
2 Extra Bells ✓
2 Receiving Rolls ✓
24 Pen Rolls ✓
11 Blocks ✓
2 Roller Pens ✓
4 Receiving Pens ✓
1 Pen Reviver ✓
6 Boxes for Perforating Paper ✓

McAlpin Bros & Nichols

ATLANTIC AND PACIFIC TELEGRAPH CO.,

GENERAL OFFICE, 193 BROADWAY,

President.
Treasurer.
JOHN, Secretary.
ROBERT, Exec. Manager.

New York, March 15 1875

Mr W. A. McCoy.-

Manager. Buffalo, NY.-

Dear Sir. Your favor of the 9th inst. for which I have to thank you, does not fully serve my purpose, owing to my not being sufficiently explicit in my inquiry. Will you please check off the various items herein mentioned, (outfit & extra supplies for working Automatic lines) if the articles have been received by you and return to me by the first mail. The dates given are those of shipment.—

Containing 1 of each article necessary to work the instrument

Very truly Yours
Edward C. Cooley. Supply Agent

February 4.	1 Large Reel	not rec'd
Probably Lost	4 Standards	not rec'd
" 5.	# 1 Automatic Table Complete	✓
	2 Extra Bells	Not rec'd
	2 Wet Paper Reels	Not rec'd
	24 Zinc Reels	Not rec'd
	11 Blocks	✓
Think Stolen and Jobbed Here	3 Roller Pens	Not rec'd
	4 Rec'g "	Not rec'd
	1 Piece Pen wire	Not rec'd
" 10	4 Clocks. Complete	✓
	12 Blocks	✓
	6 Bottles Glue	✓
	120 Cups Battery	✓

February 13.	100 Rolls wet Paper	✓
" 22	1 Brush	✓
" 23	3 Roller Pens	✓
	1 Large Reel	✓
" 24	100 Rolls wet Paper	✓
" 27	1 Automatic Table Complete	✓
	2 Extra Bells	✓
	2 Receiving Reels	✓
	24 Zinc Reels	✓
	11 Blocks	✓
	3 Roller Pens	✓
	4 Receiving Pens	✓
	1 Piece Pen wire	✓
	6 Boxes for Perforating Paper	✓

McCoy
Buffalo

Executive Office of

The Atlantic & Pacific and Franklin Telegraph Companies.

No. 198 Broadway.

Thos. T. Eckert, ~~John Huff~~ President.
W. H. Guion, Vice President
E. D. Tiffany, Executive Manager

New York March 3rd 1875

Messrs Edwin Munay.
Nos 10 & 12 Ward St.
Newark N.J.

Dear Sirs.—

Please Ship to Philadelphia Office as soon as possible.—

One (1) Box of Automatic Receiving Paper, prepaid. (wt.)
Advise me when Shipment is made and send Bill of the item with the letter of advice.—

Can you inform me how many unfilled orders you have on hand, and their dates.—

Very truly Yours
Edward G. Cooley.
Supply Agent

New York March 8th 1875.

Memo:-

Automatic Equipment to be provided for A. and P. and T. line East of and Including Omaha, in accordance with arrangement between Mr. Gould, Mr. Edison, and Genl. Eckert.

Office to be provided

Omaha 2 auto. tables OK

2 perforators

4 Clocks

120 Cells Carbon Battery OK

Intermediate stations between Chicago and Omaha to be ~~supplied~~ with auto. Relay 22 in all

Chicago 2 Tables 11

5 Perforators 11

10 Clocks 4

120 Cells carbon battery OK

Detroit 2 Tables 1

2 Perforators 1

4 Clocks 4

120 cells carbon battery OK

New Haven 1 Table

1 Perfo

1 Clock

25 Relays between

N.Y. and Boston

New York 7 Tables 31
10 Perfs. 311
30 Clocks 63
80 cups 2440 Cells battery
8 Relays branch ofs.

Phila. 3 Tables 11
8 Clocks 4
4 Perfs 1
120 cells battery

Balto. 2 Tables 1
3 Perfs 1
6 Clocks 4
120 Cells battery

Washington 3 Tables 1 OK
6 Perfs 2 OK
3 Clocks 4
120 Cells battery

13 Relays between
N.Y. and Washington

Albany 3 Tables 1 OK
4 Perfs. 2 OK
6 Clocks 4
120 Cells battery
55 Relays on lines Albany
& N.Y. Central and Middlesex RR.

Boston 2 Tables OK
3 Perfs. 2 OK
6 Clocks 2 OK 4
120 Cells battery

Portsmouth 1 Table
1 Perf
1 Clock

Worcester 1 Table
1 Perf.
1 Clock

Springfield 1 Table
1 Perf.
1 Clock
60 Cells battery

Hartford 1 Table
1 Clock
1 Perf.
60. Cells battery

Dayton 1 Table
2 Perf.
4 Clocks
80 Cells battery

Cincinnati 3 Tables 1
3 Perf 1
6 Clocks
120 Cells Battery OK

Urbana 1 Auto Relay
Lewisport 1 " "
Union City 1 " "
28 " " @ other Points
on lines Chic & Cin. and
Urbana & Chicago
1 relays Chic & Buffalo
3 " Detroit and Cleve

Buffalo. 5 Tables 111
6 Perfs. 11
6 Clocks 4
OK 120 Cells Carbon Battery

Rochester 1 Table
1 Perf
1 Clock

Oswego. 1 Table
2 Perfs
1 Clocks
60 Cells Battery

Syracuse 1 Table
2 Perfs
1 Clock
60 Cells Battery

Utica 1 Table
2 Perfs.
1 Clock
60 Cells Battery

Niles Mich 1 auto relay
Kalamazoo Mich 1 auto Relay
Dowagiac " 1 " "
Mich. City " 1 " "

Toledo 2 Tables
2 Perfs
4 Clocks
OK 80 Cells Carb. Battery

Sandusky 1 Table
2 Perfs
4 Clocks
60 Cells Battery

Cleveland 3 Tables 1
3 Perfs 1
6 Clocks 4
120 Cells Battery OK

Blank No. 1.

Atlantic & Pacific Telegraph Company

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions are to be understood to by the sender of this message.

JOHN DUFF, Pres., ALFRED NELSON, Sec., E. D. L. SWEET, Recv. Manager.

Dated at Toledo Ont. Mich 9 1875

Received at 190 Broadway N.Y.

Addressed to Edw C. Cockey

Supply Agent. N.Y.

PLEASE ANSWER BY THIS LINE.

Material for the four boxes recd nothing else

McNamar

DH.

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

Blank No. 1.

ATLANTIC & PACIFIC Telegraph Company.

JOHN DILL, Pres., ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

TERMS AND CONDITIONS.

The rules of the Company require that all messages received for transmission shall be written on the message blanks of the Company, open and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

Dated at Loxhoa Mch 9 187__

Received at Newark Mch 9 53A N

Addressed to Edward C. Cockly

NY

Yes Relay is Received

G. H. Williams

Mgr

Foxhoanah Pa

Mar 9

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

81 Bond St. Brooklyn March 9th 1898.

Manager Omaha Neb.

Have you read Tab Caps Batty & 4 Wooden Boxes for Automatic Outfit.

Edw C Cooley
Mfg Agent

[redacted] 149 Bef

Cleveland Ohio.

On Feby 20th One hundred and twenty Cups of Battery were shipped you from Newark, please say if to hand

Edward C. Cooley
Supply Agent

DH

4 Rec. Pens
6 Bottles Glue
5 # ofs Wire
4 Perforating Paper Boxes
2 Extra Belts.

Reply.

Edw. C. Cooley
Supply Agt.
DH

√√√
√√√
√√√
√√√

Received as Checked above
Cleveland Feb 15 75 Spencer

New York March 9th 1900.

Cleveland.

Dear Sir Please say if you
are need the following Enumerated
Supplies for your Automatic Dept. to date

1 Complete Table	✓	✓✓✓
120 Cells Batty. Complete	✓	
4 Copying Clocks "	✓	✓✓✓
49 Tri Rules	✓	✓✓✓
1 Large "	✓	✓✓✓
15 Wooden Blocks 16	✓	✓✓✓
2 Receiving Rule.	✓	✓✓✓
2 Roller Pens	✓	
4 Rec. Pen	✓	
6 Bottles Glue	✓	✓✓✓
54 lbs wire	✓	✓✓✓
4 Perforating Paper Boxes	✓	✓✓✓
2 Spa Belts.	✓	✓✓✓

Ans'd. Geo. W. Cockey
Supt. Agt.

Returned as Checked above
Remit Inv. 575 Dennen

[?] York Mch 9th /[?]

Manager Toledo O.

Have you recd Eighty Cups Batty & four Boxes for your Automatic Outfit.

Edw. C. Cockey

Supply agt.

Blank No. 1.

JOHN DUFF, Pres., ALFRED

Dated at Toledo

Received at 198 Broadway

Addressed to E. C. C

One lot [?] received [?] balance [?]

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUS[T] ...

☞ Subject to difference in Classification adopted by W...

☞ Freight destined to the North-west should be mar...

Steamer on Mississippi River; otherwise it m...

... loss or damage of any kind on any article whose bulk requires it to be carried on open cars, nor for damage to perishable property of any kind, ... for the ... delays from any cause or by changes of weather; nor for loss or damage on any article of property whatever, by fire or other casualty, while in transit or while in depots or places of transhipment, or at depots or landings at point of delivery; nor for loss or damage by fire, collision, or the dangers of Navigation while on Seas, Rivers, Lakes or Canals. They shall not be responsible for loss of or injury to Pictures, Plated Ware or Statuary, however occurring, unless received under special authority from the General Superintendent of the Pennsylvania Rail Road Company at a specified value, and at such an extra price for transportation as he may accept for the Company in compensation for the extra risk. The said Company will not knowingly transport, on any terms, Nitro-Glycerine, Gunpowder, Fireworks, Friction Matches, Gold or Silver Ware, Coin or Bullion, Jewels or Watches. All goods or property under this Bill of Lading will be subject, at its owner's cost, to a necessary cooperage or baling, and to be transported to the depots of the Companies or landings of the Steamboats or Forwarding Lines at the point receipted to, for delivery.

IT IS FURTHER AGREED, that unless this Bill of Lading, properly endorsed, be delivered to the Agent of the Pennsylvania Rail Road Company at destination, on or before the arrival there of the hereinabove described property, the said Company is authorized to deliver the said property to the consignee, or to the party to whose care it is, by this Bill of Lading, consigned, and after such delivery, the said Company shall be no longer responsible for or on account of this Bill of Lading, or for or on account of any assignment or transfer thereof.

IT IS FURTHER AGREED, that the Pennsylvania Rail Road Company, and the Steamboats, Rail Roads and Forwarding Lines with which it connects, shall not be held accountable for any damage or deficiency in packages after the same shall have been receipted for in good order by consignees, or their Agents, at or by the next Carrier beyond the point to which this Bill of Lading contracts. Consignees are to pay freight at rate above mentioned, and charges upon the goods or merchandise in lots or parts of lots as they may be delivered to them, and upon the weight as ascertained by the Company's scales. The goods transported shall be subject to a lien, and may also be retained for all arrearages of freight due on other goods by the same consignee or owners.

IT IS FURTHER STIPULATED AND AGREED, that in case of any loss, detriment or damage done to or sustained by any of the property herein receipted for during such transportation, whereby any legal liability or responsibility shall or may be incurred, that Company alone shall be held answerable therefor, in whose actual custody the same may be at the time of the happening of such loss, detriment or damage, and the Carrier so liable shall have the full benefit of any insurance that may have been effected upon or on account of said goods. If destined beyond the point receipted to, the same may be entrusted or delivered in the Cars of this Company, or otherwise, to any other Rail Road or Transportation Company or Agent; and such Rail Road, Transportation Company or Agent so selected, shall be regarded exclusively as the AGENT of the owner or consignee, and shall be entitled to the benefit of the Conditions and Provisions of this, and of such Bill of Lading as they may deliver therefor; and the Pennsylvania Rail Road Co. shall not be, in any event, responsible for the negligence or non-performance of any such Company or Agent, nor shall such Company or Agent be liable for any loss or injury, except upon its or their respective routes, and while such merchandise is in their respective custody.

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IT IS FURTHER AGREED, that all weights furnished by shippers are subject to correction.

THIS CONTRACT is executed and accomplished, and the liability of the Companies terminates on the arrival of the goods or property at the station or depot of delivery, and unless removed by the consignee from the station or depots of delivery within twenty-four hours of their said arrival, they may be removed and stored by the Companies at the owner's expense and risk.

NOTICE.—In accepting this Bill of Lading, the Shipper, or other Agent of the owner of the property carried, expressly accepts and agrees to all its stipulations, exceptions and conditions.

MARKS.

2 Barrels & 3 Boxes Machinery

Marked

Atlantic & Pacific

Telegraph Co

Wgt 550 lbs Toledo Ohio

Chgs. 50c

W. H. Haring Agt.

Blank No. 1.

Atlantic & Pacific Telegraph Company

The ru... that all mes... mission shall be ... blanks of the Compan... ject to the conditions pr... which conditions have been ... by the sender of this message.

Will Bu

JOHN DUFF, Pres., ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

Dated at Toledo O. Mar 9 1875

Received at 198 Bdway 336

Addressed to E. C. Cooke

Supply agt. NY

One box of Automatic outfit received will telegraph when balance arrives

McNamar

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE

☞ Subject to difference in Classification adopted by W...
☞ Freight destined to the North-west should be mar...
Steamer on Mississippi River; otherwise it m...

loss or damage of any kind on any article whose bulk requires it to be carried on open cars, nor for damage to perishable property ... loss of ... or the ... from any cause or by changes of weather; nor for loss or damage on any article of property whatever, by fire or other casualty, while in transit or while in depots or places of transhipment, or at depots or landings at point of delivery; nor for loss or damage by fire, collision, or the dangers of Navigation while on Seas, Rivers, Lakes or Canals. They shall not be responsible for loss of or injury to Pictures, Plated Ware or Statuary, however occurring, unless received under special authority from the General Superintendent of the Pennsylvania Rail Road Company at a specified value, and at such an extra price for transportation as he may accept for the Company in compensation for the extra risk. The said Company will not knowingly transport, on any terms, Nitro-Glycerine, Gunpowder, Fireworks, Friction Matches, Gold or Silver Ware, Coin or Bullion, Jewels or Watches. All goods or property under this Bill of Lading will be subject, at its owner's cost, to a necessary cooperage or baling, and to be transported to the depots of the Companies or landings of the Steamboats or Forwarding Lines at the point receipted to, for delivery.

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IT IS FURTHER STIPULATED AND AGREED, that in case of any loss, detriment or damage done to or sustained by any of the property herein receipted for during such transportation, whereby any legal liability or responsibility shall or may be incurred, that Company alone shall be held answerable therefor, in whose actual custody the same may be at the time of the happening of such loss, detriment or damage, and the Carrier so liable shall have the full benefit of any insurance that may have been effected upon or on account of said goods. If destined beyond the point receipted to, the same may be entrusted or delivered in the Cars of this Company, or otherwise, to any other Rail Road or Transportation Company or Agent; and such Rail Road, Transportation Company or Agent so selected, shall be regarded exclusively as the AGENT of the owner or consignee, and shall be entitled to the benefit of the Conditions and Provisions of this, and of such Bill of Lading as they may deliver therefor; and the Pennsylvania Rail Road Co. shall not be, in any event, responsible for the negligence or non-performance of any such Company or Agent, nor shall such Company or Agent be liable for any loss or injury, except upon its or their respective routes, and while such merchandise is in their respective custody.

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MARKS.

2 Barrels & 3 Boxes Machinery
Marked
Atlantic & Pacific
Telegraph Co
Wgt 500 lbs Toledo Ohio
Chgs. 50¢

W. Haring Agt.

Subject to difference in Classification adopted by Wes[tern] ...
Freight destined to the North-west should be marke[d] ...
Steamer on Mississippi River: otherwise it may ...

Blank No. 1.

Atlantic & Pacific Telegraph Company

JOHN DUFF, Pres., ALFRED NELSON, Sec., E. D. L. SWEET, Exec. ...

Dated at Toledo Mar 12 187[5]

Received at 198 Bdway

Addressed to Edward C Cockey

Supply agt

Material for eighty cells

Electropoin batty recd from

Toledo is many

PLEASE ANSWER BY THIS LINE.

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE

WHERE ANY REPLY SHOULD BE SENT.

weight or otherwise of Grain and Coffee in bags, or Rice in tierces; for loss or damage to any article carried from the effects of heat or cold, by wet, dirt, fire, or loss of weight, or for condition of baling, on Hay, Hemp or Cotton; nor for the loss of Nuts in bags, or of Lemons or Oranges in boxes, unless covered with canvas; nor for the loss or damage of any kind on any article whose bulk requires it to be carried on open Cars; nor for damage to perishable property of any kind, occasioned by delays from any cause or by changes of weather; nor for loss or damage on any article of property whatever, by fire or other casualty, while in transit or while in depots or places of transhipment, or at depots or landings at point of delivery; nor for loss or damage by fire, collision, or the dangers of Navigation while on Seas, Rivers, Lakes or Canals. They shall not be responsible for loss of or injury to Pictures, Plated Ware or Statuary, however occurring, unless received under special authority from the General Superintendent of the Pennsylvania Rail Road Company at a specified value, and at such an extra price for transportation as he may accept for the Company in compensation for the extra risk. The said Company will not knowingly transport, on any terms, Nitro-Glycerine, Gunpowder, Fireworks, Friction Matches, Gold or Silver Ware, Coin or Bullion, Jewels or Watches. All goods or property under this Bill of Lading will be subject, at its owner's cost, to a necessary cooperage or baling, and to be transported to the depots of the Companies or landings of the Steamboats or Forwarding Lines at the point receipted to, for delivery.

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MARKS.

2 Barrels & 3 Boxes Machinery

Marked

Atlantic & Pacific

Telegraph Co

Wgt 550 lbs Toledo Ohio

Chgs. 50¢

W. Haring Agt.

E. L. Sweet Esq
Gen'l Supt.

New York Mch 9th 1870

Dear Sir. Will you please state if the following enumerated Supplies for your Automatic Dept. have been rec'd at the Chicago Office;

1 Table complete
1 Perforator
100 Rolls Receiving Tape
12 Boxes Perforating "
120 Rolls Carbon Battery
4 Copying Clocks
25 Tin Rolls 24 ft on Rolls
1 Large " (Perforated)
3 Receiving Rolls
12 Wood Blocks 11 x 7 in Table
4 Roller Pens — 2 rec'd only —
12 Bottles Opene
5 # of wire
6 Boxes for Perforating Paper
2 Sets Belts —

Rec'd Chicago Sept. 1st 1870

Above rec'd, Sept. items marked ✓

Yours,
Edw. E. Cockey
Supplies Agt.
pro E. E. Wilson

1 Pens cap. & Carbons - 1 Large Roll,
2 Roller Rolls, 75 ft Pfg Paper
Jerry Sullivan Pattery
Wm. Sweet
Sept.

Respectfully recommended to E. C. Cooley Supply Agent and his attention called to merits of Lufkin Rule herein.

S. J. Smith Jr.

Chicago Ill
3/12/95.

Chicago Ill
Automatic Supplies
March 9. 1895

New York Mch 9th 1870

Manager Detroit

Dear Sir. Please say if you have need of the following enumerated articles for your Automatic Dept. — to date.

✓ 1 Complete Table ✓
✓ 100 Rolls Rec. Paper ✓
✓ 1 Box Perforating Paper ✓
✓ 120 Cells Battery } 3 outside jars, are from capt Stations — broken
✓ 4 Copying Clocks
✓ 25 Tin Rolls 24 + 1 on Table ✓
✓ 1 Large Rod ✓
✓ 12 Wood Blocks 11 + 1 on Table ✓
2 ✗ Roller Pens
3 ✗ Rec Pens.
✓ 6 Bottles Glue ✓
✓ 54 ft. Wire ✓
4 Perforating Boxes mus ✓
✓ 4 Copying Clock Stops donated — including clocks
✓ 1 Extra Relay, ✓ Dept Jackson Mich for order E.D. L.S.
✓ 2 Extra Batt
✓ ~~2 Brass Rolls for heavy Paper~~ ✓ Respy Edw O Cooley
Copy ack
for

Recd as above
F W Gurney Mgr Detroit March 11th 1875

Newport R.I. March 9th 1890

Manager No 4.

Dear Sir: Please say if you have rec'd the following supplies for Automatic Department

2 Complete Tables		✓✓✓
1 Perforator		✓✓✓
6 Boxes Receiving Paper (Rolls)		✓✓✓
1 " Perf. Paper		✓✓✓
100 Cups Battery		✓✓✓
4 Copying Clip		✓✓✓
50 Tin Rules	1 on each Table	✓✓✓
1 Large "		✓✓✓
56 Wood Blocks		✓✓✓
5 Rec. Rules	4	✓✓✓
5 Roller Pens	2 on table	✓✓✓
6 Rec Pens		✓✓✓
6 Bottles Glue		✓✓✓
4 Boxes for Perforator Paper		✓✓✓
1 Roman Letter Outfit	Consisting of	✓✓✓

1 Table, 1 Perforator, 2 Tin Rules, 6 Blocks
1 Rec Rul

Resp.,
E. B. Cooley
Supply Clk.

New York N.Y. 9/15

Manager Roche.

Sir, Please state if you have received Each of the below enumerated Articles for Automatic Department.

2. Complete Tables ✓
2 Perforators ✓
7 Boxes Receiving Paper ✓✓ 100 Rolls in a Box
3 " Perforating " ✓✓
100 Cups Batty ✓✓
5 H Keeping Clocks ✓
40 Tin Reels ✓ 2 On Table
1. Large Reel ✓
26 Wooden Blocks (with Pins) ✓ 2 On Table
6. Brass Rules for rec. Paper ✓ One Table
3. Transmitting (Roller) Pens ✓ 2 On Table
2 Receiving Pens ✓ On Table
3 Bottles Glue ✓
2 Extra Rulers ✓
6 Boxes for Perforating Paper ✓
6 Extra Rubber Rings for rec. Reels ✓
2 Extra Belts for Tables. ✓

All the above Articles mentioned herein have been rec'd. Thos Roche Mgr

Reply

E. E. Cockey
Cpty agt for S

New-York Mch 9/95

Manager Sewall.

Dear Sir Please say to your Rowe received the following enumerated supplies for your Automatic Department:

1 Complete Tatable ✓
2 Perforators ✓
4 Boxes Rec. Paper ✓
2 " Perforating " ✓
4 Copying Clocks ✓
25 Pin Rules ✓
1 Large " ✓
24 Wood Pin Blocks ✓
1 Receiving Rule (Small Brass) ✓ No
2 Roller Pens ✓
9 Bottles Glue ✓
2 Rec. Pens ✓
1 Eiton Riley ✓
6 Binding Posts ✓

Respy Chas. C. Leacher
Supt Aut. Dept

6

New York Mch 9/19

Manager Stewart

Dear Sir: Please say if you have received the below enumerated Supplies for Automatic Dept.

✓ 1 Complete Table ✓
✓ 1 Perforator ✓
✓ 2 Boxes Rec. Paper ✓ 200 Rolls ✓
✓ 2 Boxes Perf. Paper ✓
✓ 50 Cups Batt. ✓
✓ 4 Copying Clocks ✓
✓ 25 Pin Rolls ✓ on Table ✓
✓ 1 Large Reel ✓
✓ 24 Wood Pin Blocks ✓ on Table ✓
✓ 8 Roller Pens (?) ✓
✓ 1 Rec. " ✓
✓ 2 Bottles Glue ✓
✓ 4 Perforator Paper Bags ✓

Resp.

E. E. Cockey
Supply Dept.

Correct - all rec'd
Walter N. Stewart
Manager

Washington Me

Manager Auto Office York Mich 9/10-

Dear Sir:

Please say if you have rec'd the below enumerated supplies for your Automatic Department.

1 Complete Table	JJJ
2 Perforators	JJJ
3 Boxes Rec. Paper	JJJ
2 " Perf. "	JJJ
50 Cups Battery	JJJ
4 Cap. Blocks, Rec Size instead of four	JJJ
25 Pr. Rule	JJJ
1 Large "	JJJ
23 Wood Pin Blocks	JJJ
5 Rec Rules	JJJ
2 Roller Bars	JJJ
1 Rec Bar	JJJ
2 Bottles Glue	not yet rec'd Mch 11
4 Perf. Boxes (For Paper)	JJJ
1 Punch Block for Perforator	JJJ

Resp. E. E. Cockey
Supt. Off.

NOT RECEIVED

6

New York N.C.R.R. Mr.

Managers. at Offices

~~Niles Mich.~~	✓✓✓	~~Bloomingdale Ill.~~		
~~Kalamazoo "~~	✓✓✓	Rochester "	Yes	✓✓✓
~~Michigan City~~	✓✓✓	Syracuse "	Yes	✓✓✓
Paw Paw Mich	✓✓✓	Utica "	Yes	✓✓✓
~~Dayton O~~	✓✓✓			
~~Marion Ind~~	✓✓✓	Norwalk Conn	Yes.	✓✓✓
~~Urbana O.~~	✓✓✓	Bridgeport "	Yes.	✓✓✓
~~Logansport Ind~~	✓✓✓	New Haven "	Yes	✓✓✓
~~Huron City Ohio~~	✓✓✓	Middletown "	Yes	✓✓✓
		~~Colchester~~ "	Yes	✓✓✓
~~Newark N.J.~~ Yes	✓✓✓	~~Norwich~~ "	Yes	✓✓✓
		~~Plain field~~ "	Yes	✓✓✓
~~Cleveland Ohio~~	✓✓✓	"	Yes	✓✓✓
		~~Foxborough Mass.~~		✓✓✓
~~Port Clinton Mich~~ Yes	✓✓✓			
~~Norton~~ " Yes	✓✓✓	~~Bethel Conn~~	Yes	✓✓✓
		~~Waterbury~~ "	Yes	✓✓✓
~~Warehouse Point~~	✓✓✓	~~Farmington~~ "	Yes	✓✓✓
~~Windsor Locks~~	✓✓✓	~~Hartford~~ "	Yes	✓✓✓
~~Springfield Mass~~	✓✓✓			✓✓✓

Please say if Annie Relay Shipped your for testing Automatic Wire has been received

Edw. E. Loveley
Supt. agt.

T. J. Dooley 145 Buff
Supt Omaha —

The 20 small boards when fitted together make 4 boxes for the form perforating paper. — You will receive full instructions with it

Edward E. Cooley
Supply Agent

IF THIS TELEGRAM IS NOT DELIVERED AT THE ABOVE OFFICE WITHIN SIX HOURS AFTER ITS ARRIVAL SHOULD BE SENT BACK AT REPEAT SHORTER

Blank No. 1.

ATLANTIC & PACIFIC Telegraph Company

TERMS.

The rules de... that all messages... mission shall be written... blanks of the Company, und... ject to the conditions printed ... which conditions have been agreed ... by the sender of this message.

JOHN DUFF, Pres., ALFRED NELSON, Sec. R. D. L. SWEET, Genl Manager.

Dated at Omaha 10 Oct 1875

Received at 198 Bway N.Y.

Addressed to Edwd Cooke

Supply agt N.Y.

Just recd by express from Newark one box containing twenty small boards is it a part of automatic?

J. J. Wickey

Supt

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

New York, March 7th 1875

Received from Edwin K. Murray

~~in good order, on board the~~ Lawhe Ps

bound for New York the following packages:

MARKED: Mr Boy

Atlantic & Pacific

Telegraph Co

198 B'way

New York

All Dis'd & Dispatched

Blank No. 1.

ATLANTIC & PACIFIC Telegraph Company

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, and that the office of the sender of private messages, where conditions have been agreed to by the sender of this message.

JOHN C. CLARK, ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

Dated at New York 1875

Received at

Addressed to Ed A Cockry

Supply 1 a yr

Cross bars Rcd

All Right

Albany

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

Albany N.Y. Oct 11th 75

Mr. Ed. C. Lockey, Supply Dept

Dear Sir: The following articles were received at this office by Mr. G. Stolbrand on his leaving here he turned them over to me stating a receipt from by which they were held subject to the order of Mr. Geo Harrington, Pres. Automatic Telegraph Company namely

One (1) table with 6 double binding screws attached
One (1) Transmitter
One (1) Rheostat with 7 plugs
One (1) auto Relay (this has since been returned to E.K. Adams and another substituted in its place)

one (1) sounder
one (1) Key
one (1) Rheostat
one (1) Winder for table
Two (2) belts
~~One (1)~~
Two (2) perforators
Twenty five (25) tape reels
Twenty four (24) wooden reels
Five (5) transmitting pens
Two (2) receiving pens
one (1) large Reel and stand
Three (3) ~~[illegible]~~ bottles glue
Three (3) boxes receiving paper (wet)
~~Two (2)~~
one (1) box receiving paper (wet)
one (1) box perforating paper
Five (5) brass reels for wet paper
Five (5) rubber ring for brass reels
Seventy five (75) Caps Carbon Battery Complete (1 glass & 2 earthenware)
one (1) oil can
Three (3) bottles S. M. oil
Two (2) Cloth Covers for perforators
Four (4) reel stands for Copying tables

Since Mr Stolbrand left I have received for automatic Dept

Four (4) copying clocks
one (1) box perforator paper
one (1) box chemical paper
Six (6) bottles glue
Six (6) strips for bottom of perforator
Enclose here our requisition of
January 1st for 10 sets Blank B filled
you immediately I have telegraphed you
today

Respectfully Yours &c
C. H. Lewall
Mgr Albany

THE ATLANTIC AND PACIFIC TELEGRAPH CO.,

JOHN HUFF, President.
W. H. GIBBS, Vice-President.
GEO. BLISS, Treasurer.
ALFRED WRIGHT, Secretary.
E. D. L. HYNES, Executive Manager.

GENERAL OFFICE, 198 BROADWAY,

New York, Mar 15 1875

Manager

5-7 PM

Springfield	Mass	
Lake Cayuga	"	
Poughkeepsie	NY	
~~Pittsfield~~	~~Mass~~	
~~New Haven~~	~~Ct~~	
Springfield	Mass	

4-30 PM

One Relay for Automatic Wire Stuffed
you much q the from Niagara Mg
please say at once q to hand

Edward C. Cooley
Supply Agent

IN OI

requested

of goods, unless additional compensation is paid, ...
damage to the goods carried under this agreement.

6. In the case of goods received for transportation from connecting lines, this Company shall have the benefit of any exemptions from liability stipulated for in the bills of lading given to the shipper or consignor.

7. The goods herein referred to shall be subject to a lien, and may be retained for freight and charges on other goods, due from the party on whose account they are transported, as well as for freight and charges on the goods retained.

For the Company.

NOT NEGOTIABLE.

Blank No. 1.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

45 Pd

W. H. GUION, Vice-Prest, ALFRED NELSON, Sec., E. D. L. SWEET, Exec. Manager.

Dated at Mch 15 1875

Received at 198 Broadway 5-21 P

Addressed to C Cockey

PLEASE ANSWER BY THIS LINE.

Relay Rich
Windsor Locks Ct

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE

WHERE ANY REPLY SHOULD BE SENT.

1.

ATLANTIC & PACIFIC Telegraph Company

JOHN DUFF, Pres., ALFRED NELSON, Sec., N. J. I. SWEET, Exec. Manager.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

Dated at Mch 16 187 5

Received at 337 P

Addressed to Ed Cocky

Supply Agt

PLEASE ANSWER BY THIS LINE.

Have received but one relay
That was from Newark Ind
Give the remark of Mch
Springfield Mass

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

To ATLANTIC & PACIFIC Tel. Co. This Company will not be responsible for freight and charges on other goods delivered, nor will it be responsible for any goods delivered the party on whose account they are transporting, or will it be for freight and charges on the goods returned.

Agent for Consignee.

Newark N.J.
~~New York,~~ March 17th 1875

Received from Earson & Murray

~~in good order and condition~~

bound for New York the following packages:

MARKED: one Box

Lightly Bell -
Atl. & Pacific Tel Co
198 Broadway
New York

J. R. Sawyer

Blank No. 1.

ATLANTIC & PACIFIC TELEGRAPH COMPANY

W. H. GUION, Vice-Prest, ALFRED NELSON, Sec., S. D. L. SWEET, Genl. Manager.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message. 1140

Dated at Newark N.J. Mch 18 1875

Received at 194 Broadway Mch 18

Addressed to Eckert

PLEASE ANSWER BY THIS LINE.

We have shipped to Omaha: two tables complete, fifty tin reels, ten roller jenny, ten receiving jenny, twelve receiving reels, fifty reels thirty blocks, four extra belts and large reel, three hundred reels wet fibre, one hundred twelve reels perforating fibre, ten pounds office grease, and price ~~for~~ per mile

Edison & Murray

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE

WHERE ANY REPLY SHOULD BE SENT.

Subject to difference in Classification adopted by Western Roads.
Freight destined to the North-west should be marked, defining point owner desires it to take Steamer on Mississippi River; otherwise it may be transferred to boat at Fulton, Ill.

Form No. 29.

BILL OF LADING

OF THE

PENNSYLVANIA RAILROAD COMPANY.

S. B. KINGSTON, General Freight Agent Pennsylvania R. R. Co., - - - - - Philadelphia, Pa.
WALTER FREEMAN, General Freight Agent United Railroads of New Jersey Division P. R. R., Philadelphia, Pa.
WM. M. HERSH, Agent, - - - - - - - - - - Pittsburgh Transfer Station.

Rates between Newark N.J. and Omaha Neb.

If First Class, per 100 lbs., $	If Second Class, per 100 lbs., $4.150	If Third Class, per 100 lbs., $	If Fourth Class, per 100 lbs., $
If 1½ First Class, " $	If Double First Class, " $	If 3 times First Class, " $	If 4 times First Class, " $

SPECIAL.....

No Single Package rated at less than 100 Pounds.

THIS RECEIPT TO BE PRESENTED WITHOUT ALTERATION OR ERASURE.

Received, at Newark N.J. March 17 18 70 of Edison Kellogg & Co the following packages in apparent good order, contents unknown, marked as per margin, to be forwarded to Omaha Neb

UPON THE FOLLOWING CONDITIONS:

IT IS AGREED, and is part of the consideration of this contract, that the Pennsylvania Railroad Company shall not be liable for any loss or damage, however occurring, enumerated below, viz.—Leakage of Oils or any kind of Liquids, Breakage of Glass, Marble, Stone, Slate, Tiles, Porcelain, or Glassware; the injury of breakage of Looking Glasses, Show Cases, Picture Frames, Carvers of Antiques, or articles packed by them; Stoves and Stove Furniture, Furniture, Hollow Ware, Machinery, Carriages, Furniture, Musical Instruments of any kind, Packages of Rags, or Paper-stock, Compressed or Iron articles; nor for injury to or by the breaking of Boilers, Machinery, Locomotives, Steamers, Vessels or other Boats; nor for injury to or by the breaking of Ice, Stone, Brick, Lime, or Lumber, or articles carried from the places of loading or unloading by wagons, or other conveyances; nor for injury to or by fire of Stock, Cotton or Cotton in bales, unless covered with canvas, or for the act, damage of any kind, or condition of article whose bulk renders it impossible to be covered; nor for any act, or omission of any kind, or any damage or injury from any cause, or by change of weather; nor for loss or damage on any article of property while in the open air, or in any other manner than in the usual way of storing, from any cause, or at depots or landings at point of delivery; nor for loss or damage by fire, collision, or the dangers of navigation, or any other cause, while in transit or storage, or at depots or landings at its Piers, or Canal Water, or Statutory, Bonded or Warehouse, unless caused solely by the negligence of the Company's agents; nor shall the Company be responsible for loss of or injury to perishable articles, and not such as are usually carried by the Corporation as its business, unless special contract or compensation for the extra risk. The Company's Railroad Company at its option may carry Specie, Bullion, Jewelry, Diamonds, Precious Stones, Paintings, Statuary, Bronzes, Gold or Silver Ware, Coin or Bullion, Jewelry or Watches. All goods or property under this Bill of Lading will be subject, at the option of the Company, to Storage, and is to be transported to the depots of the companies or landings of the steamboats or forwarding lines at the point received for delivery.

IT IS FURTHER AGREED, that unless this Bill of Lading, properly endorsed, be delivered to the Agent of the Pennsylvania Railroad Company at destination, on or before the arrival there of the merchandise described property, the said Company is authorized to deliver the said property to the consignee, or to the party to whom it is directed by the consignee, or by the consignor, and after such delivery, the said Company shall be no longer responsible for or on account of any loss or damage.

IT IS FURTHER AGREED, that the Pennsylvania Railroad Company, and the steamboats, railroads, and forwarding lines with which it connects, shall not be held accountable for any damage or deficiency in packages after the same shall have been receipted for in good order by consignee, or the party named, as or by the next carrier beyond the point to which the Bill of Lading contracts. Consignees are to pay freight at rate above mentioned, and charges upon the same, and are to be responsible for any overcharge of freight due on any package, the same being guaranteed by the Company's agents. The goods transported shall be subject to a lien, and may also be retained for all charges and expenses due on the same, or any other claim against the owner or consignee.

IT IS FURTHER STIPULATED AND AGREED, that in case of any loss, detriment, or damage done to or sustained by any of the property herein receipted for during such transportation, whereby any legal liability or responsibility shall or may be incurred, that company alone shall be held answerable therefor in whose actual custody the same may be at the time of the happening of such loss, detriment, or damage, and the carrier so liable shall have the full benefit of any insurance that may have been effected upon or on account thereof. If destined beyond the point receipted to, the same may be intimated or delivered to the care of the Company, or any other railroad or transportation company, or agent, and upon delivery, transportation company or agent so selected, shall be regarded exclusively as the agent of consignee, and shall be entitled to the benefit of the contract of carriage, and the Company shall be discharged from all liability as they may deliver thereto; and the Pennsylvania Railroad Company shall not be, in any event, responsible for the negligence or misconduct of any such carrier or agent, nor shall such company or agent be liable for any loss or injury caused upon his or their respective routes, and while such merchandise is in their respective custody.

IT IS FURTHER AGREED, that the amount of the loss or damage so occurring, so far as it shall fall upon the carriers above described, shall be computed at the value or cost of the merchandise at the place and time of shipment under this bill of lading.

IT IS FURTHER AGREED, that the Company's responsibility shall cease on delivery to consignee.

THIS CONTRACT is subject to the conditions hereinbefore mentioned, and the liability of the Company terminates on the arrival of the goods or property at the station or depot of delivery, and unless removed by the consignee from the station or depots of delivery within twenty-four hours of their said arrival, they may be removed and stored by the companies at owner's expense and risk.

NOTICE.—In accepting this Bill of Lading, the shipper, or other agent of the owner of the property carried, expressly accepts and agrees to all its stipulations, exceptions and conditions.

MARKS.

6 Bxs McCoy

Marked Atlantic & Pacific Tele graph Co Omaha Neb

Wgt 920

Dwgs 100

M Herring

2 Tables Comb.
300 Rolls Wet Paper
112 Rolls Perforating Paper
50 Tin Reels
10 Roller Pens
10 Reed Pens
12 Rec Wet Paper Reels
30 Blocks
~~1 Large Reel~~
10 lb Office Wire
1 Piece Pen Wire

Omaha
Automatic Supplies
March 19, 1895

Blank No. 1.

ATLANTIC & PACIFIC TELEGRAPH COMPANY

W. H. GUION, Vice-Pres't. ALFRED NELSON, Sec.,

H. D. LEWIS, Gen. Manager.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of this message.

Dated at Warehouse Point Ct. 1st

Received at Pittsburg Mch 2

Addressed to Ed McCockey Supply Agent

Automatic Relay Came today by freight All Smashed up — think I can repair it

W H Hofs

PLEASE ANSWER BY THIS LINE.

☞ THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE ABOVE OFFICE WHERE ANY REPLY SHOULD BE SENT.

are ached.

PENNSYLVANIA RAIL ROAD CO.

FORM No. 234.

[INCOMPLETE]

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME	RECEIVED BY	CHECK
96	S D	518	7	~~D 50~~

Dated, New York Aug 6

To 2 M

Rec'd at Surgy's 132 Market St.
Aug 6 1870

Your	gobiel	of	26th	Calls
for	2	Rolls	pens	2
9	9	Mumay	Submits	a
bill	for	Same	which	is
Correct	But	two	pens	red
2	but	2	Can	be
Paid	for	My	order	was

Van Rinck, Clark & Co., Printers, 18 Tacy Street, N. Y.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the order of the following managers.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.
18	DH	225	7	DH.

Dated New York Aug 11 Rec'd at 182 Mkt St

To Edison Aug 11 1875.

Order No 150. 9426 was given to Murray on the 9th It was for Pens & other Supplies was not aware that Murray did not furnish pens. See him about the order & send to Phil^a I prefer those small items should go through my hands if you will send list of articles you furnish I will always order of you but how can I know what Edison & Murray & let Cocker alone

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the order of the following managers.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.
32	DH	3 40	7	DH

Dated New York Aug 16 Rec'd Tracy's 182 Mkt St

To Edison Aug 16 1875.

I have found an Extra Perforating Machine that can be spared & you need not repair one for New York

D H Bates

Van Kleeck, Clark & Co., Printers, 18 Vesey Street, N.Y.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rates of these Companies require that all messages received for transmission shall be written on the average blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender at the following message.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME.	RECEIVED BY	CHECK.
24	G.F.	250	F	D.H.

Dated New York Aug 16 Rec'd at Feeney's 182 Market St.

To Batchelor Aug 16 1875.

Relays	2	Sourgrass	not	to
hand	follow	them	up	or
you	too	the	goods	
		Cockey		

Van Ebock, Clark & Co., Printers, 18 Vesey Street, N. Y.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rates of these Companies require that all messages received for transmission shall be written on the average blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender at the following message.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup'l, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER	SENT BY	TIME.	RECEIVED BY	CHECK.
24	D	1225	F	D.H.

Dated N.Y. Aug 16 Rec'd at Feeney's 182 Market St.

To Batchelor Aug 16 1875.

You	on page	of	Saturday	Says.
Relays	2	Sourdu	all	nasty
Shipped	where	to	2	when
9	Continuing	part	of	order
171	1459	Reducing	the	number
from	3	to	2	But
they	have	not	been	used

Van Ebock, Clark & Co., Printers, 18 Vesey Street, N. Y.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.

Dated, Aug

Rec'd at Fearey's 182 Market St.

To

Aug 1870

to	Monday	Can	you	Show
man	for	Them		
		Cockey		

Van Ebech, Clark & Co., Printers, 13 Tony Street, N. Y.

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rules of these Companies require that all messages received for transmission shall be written on the message blanks of these Companies, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.

Dated, Aug

Rec'd at Fearey's 182 Market St.

To

Aug 1870

The	Sowman	for	Bridgepot	is
due	when	was	at	12
Sent				
		Cockey		

Van Ebech, Clark & Co., Printers, 13 Tony Street, N. Y.

Blank No. 15.

Atlantic & Pacific Telegraph Co.

FRANKLIN DIVISION.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company under and subject to the conditions printed thereon.

W. H. GUION, Vice-Prest. E. D. L. SWEET, Exec. Manager.

By Telegraph from New York 3 3 1875

To Guion

Were goods ordered by Wm Jones & shipped if not please ship at once as they are needed

Saml E Kelley -

Supply agt -

This message has just been received at the office.

Van Kleeck, Clark & Co., 33 Vesey Street, N. Y.

Blank No. 15.

Atlantic & Pacific Telegraph Co.

FRANKLIN DIVISION.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company under and subject to the conditions printed thereon.

W. H. GUION, Vice-Prest. E. D. L. SWEET, Exec. Manager.

By Telegraph from Cry 6 4 1875

To Pulle

young to run out of Papers before 3 o'clock where can you do out it

E H Johnson

This message has just been received at the office.

Van Kleeck, Clark & Co., 33 Vesey Street, N. Y.

Blank No. 1.

Atlantic & Pacific Telegraph Co.

FRANKLIN DIVISION.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company under and subject to the conditions printed thereon.

W. H. GUION, Vice-Pres't. E. D. L. SWEET, Exec. Manager.

By Telegraph from New York 1875

To Tilton

Have you sent any
reg paper to Bird
within 2 days we
send you 2 num. rolls
of Boston paper by
Truck this eve. can
you send us few
rolls wet paper today
& Tomorrow Dis — by
boy

This message has just been received at the office.

E H Johnson

Van Kleeck, Clark & Co., 18 Vesey Street, N. Y.

Blank No. 1.

Atlantic & Pacific Telegraph Co.

FRANKLIN DIVISION.

TERMS AND CONDITIONS.

The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company under and subject to the conditions printed thereon.

W. H. GUION, Vice-Pres't. E. D. L. SWEET, Exec. Manager.

By Telegraph from New York 1875

To Bitchelder

We need wet paper
for receiving have
you any on hand
~~Please~~ send at once
by special messenger
we need it by 2 o'clk

E. V. C. Kirkby

This message has just been received at the office.

Kirkby

Van Kleeck, Clark & Co., 18 Vesey Street, N. Y.

No. 13.1103 New York, July 22 1875

Messrs Edison & Murray Newark NJ

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Automatic Relay addressed to Franklin Tel Co ~~Manchester~~ Norwich Ct.
By Express

Make Bill to Franklin Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 86.1137 New York, July 24 1875

Mr J. T. Murray Newark NJ

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

2 Roller Pads

Charge Franklin Tel Co
Ship By Express or mail

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 76.1174 New York, July 29 1875

Mr J. T. Murray Newark NJ

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Automatic Relay.

Ship By Express to day to A & P Tel Co Pittsburg Pa

Charge A & P Tel Co.

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 85.1318 New York, July 31 1875

Messrs Edison & Murray

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to Brooklyn Bay
1 Automatic Table Complete
11 Wooden Blocks
1 Receiving Pen
1 wet Paper Roll
3 Feet Pegue Wire
1 Extra large Bell
1 Small
1 Self winder Spring
150 Rolls wet Paper

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 94.1320 New York, August 2 1875

Messrs Edison & Murray Newark NJ

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Small Bell
1 Large Bell
1 Receiving Pen
1 wet Paper Roll
1 Self Winder Spring
3 Feet Pen Wire

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 118.1379 New York, Aug 4 1875

Messrs Edison & Murray Newark NJ

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Automatic Relay for Troy.

Send to me, marked with number above.

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward B Bailey
Supply Agent.

No. 133.1414 New York, Aug't 6 1875

Messrs Edison & Murray Newark N.J.

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

2 Automatic Relays. Packed for Shipping

Send to me at once, Urgent

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply Agent.

No. 152.1433. New York, Aug't 9 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Automatic Relay.

Let box bear Order Number

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply Agent.

No. 171.1459 New York, Aug't 12 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Send me packed for Shipment

3 Automatic Relays. Put in 1 box of pencils.—

Charge Franklin Tel Co.

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply Agent.

No. 253.1649 New York, August 31st 1875

Messrs Edison & Murray Newark N.J.

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to St Louis Mo

1 Automatic Table Complete
2 Extra Belts
2 Roller Pens
2 Wet Paper Rolls
1 Pen Wire

Charge A & P Tel Co

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply Agent.

No. 475, 1956 New York, Sept 29th 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to W. C. Hunstine Detroit Mich.

1 Automatic Relay. for Sunbeam

Charge A & P Tel Co A. & P.

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply

No. 476. 1957 New York, Sept 29th 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to W. C. Hunstine Detroit Mich

1 Automatic Relay for Eric Pen

Charge A & P Co. A & P T'O

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C Cooley Supply Agent.

No. 477,1961 New York, Sept 29th 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to W. C. Brunstine Detroit Mich

1 Automatic Relay for Mattfield

Charge A & P Tel Co

A&P 71'0

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C. Cooley Supply Agent.

No. 478,1962 New York, Sept 29th 1875

Messrs Edison & Murray Newark N.J.

Please furnish **The Atlantic & Pacific and Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to W. C. Brunstine Detroit Mich

1 Automatic Relay for North East Pa

Charge A & P Tel Co

A&P 71'0

Please acknowledge receipt of this, and say when Supplies will be sent. Edward C. Cooley Supply Agent.

No. 532,2017 New York, Oct 12 1875

Mr Edison Kellway

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to St Louis Mo.

7 Automatic Relays

Charge A & P.

Charge

Invoice that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. Time is precious, and delays in filling orders cost money. Orders, bills of lading to be invariably directed to no at 18 Broadway. Edward C. Cooley Supply Agent.

No. 631,2223 New York, Oct 28th 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to A & P Tel Co Washington Pa
Care of W. C. Bryson,

1 Automatic Relay

URGENT. O K

Ship by express.

A&P

Charge

Invoice that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. Time is precious, and delays in filling orders cost money. Orders, bills of lading to be invariably directed to no at 18 Broadway. Edward C. Cooley Supply Agent.

No. 637,2215 New York, Oct 28th 1875

Messrs Edison & Murray Newark

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to A & P Tel Co St Petersburg Pa
by express

1 Automatic Relay

O. K

A&P

Charge

Invoice that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. Time is precious, and delays in filling orders cost money. Orders, bills of lading to be invariably directed to no at 18 Broadway. Edward C. Cooley Supply Agent.

No. 639,2216 New York, Oct 28th 1875

Messrs Edison & Murray.

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

Ship to Parkers Ct Pt Wi
Penn R. Rd. addressed to
A & P Tel Co.
Parkers Armstrong Co Pa

1 Automatic Relay.

By express O. K

A&P

Charge

Invoice that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. Time is precious, and delays in filling orders cost money. Orders, bills of lading to be invariably directed to no at 18 Broadway. Edward C. Cooley Supply Agent.

No. 642, 2208 New York, Oct 28th 1875

Messrs Edison & Murray Newark

Please furnish The Atlantic & Pacific & Franklin Tel. Co's with Duplicate Invoices bearing the above number.

Ship to A & P Tel. Co. Care of Dr Lee. 800 R. R. Zanesville Ohio

1 Automatic Relay

OK

A&P

Charge

Edward C. Cockey

Supply Agent.

Notice.—When either copy charged, A. & P. receipts are filled in Atlantic & Pacific Tel. Co. When only one copy charged, A. & P. receipts are filled in Franklin Tel. Co. When neither copy charged, receipts are filled in Atlantic & Pacific and Franklin Tel. Co., and for the other half to Franklin Tel. Co.

SUPPLY AGENT

EDWARD C. COCKEY

Invoices that do not have Order number will be returned. Those acknowledge receipt of this date, and upon which receipts will be sent. Receipts for partial shipments, bills should always be enclosed directed to me at 194 Broadway.

No. 643, 2217 New York, Oct 28th 1875

Messrs Edison & Murray Newark

Please furnish The Atlantic & Pacific & Franklin Tel. Co's with Duplicate Invoices bearing the above number.

Ship to A & P Tel Co Newark Ohio Care of Wm Franklin 800 R.R.

1 Automatic Relay

OK

A&P

Charge

Edward C. Cockey

Supply Agent.

Notice.—When either copy charged, A. & P. receipts are filled in Atlantic & Pacific Tel. Co. When only one copy charged, A. & P. receipts are filled in Franklin Tel. Co. When neither copy charged, receipts are filled in Atlantic & Pacific and Franklin Tel. Co., and for the other half to Franklin Tel. Co.

SUPPLY AGENT

Invoices that do not have Order number will be returned. Those acknowledge receipt of this date, and upon which receipts will be sent. Receipts for partial shipments, bills should always be enclosed directed to me at 194 Broadway.

No. 645, 2215 New York, Oct 28th 1875

Messrs Edison & Murray Newark N.J.

Please furnish The Atlantic & Pacific & Franklin Tel. Co's with Duplicate Invoices bearing the above number.

Ship by Express to A & P Tel Co Detroit Mich

1 Automatic Relay

O.K.

A&P

Charge

Edward C. Cockey

Supply Agent.

Notice.—When either copy charged, A. & P. receipts are filled in Atlantic & Pacific Tel. Co. When only one copy charged, A. & P. receipts are filled in Franklin Tel. Co. When neither copy charged, receipts are filled in Atlantic & Pacific and Franklin Tel. Co., and for the other half to Franklin Tel. Co.

SUPPLY AGENT

EDWARD C. COCKEY

Invoices that do not have Order number will be returned. Those acknowledge receipt of this date, and upon which receipts will be sent. Receipts for partial shipments, bills should always be enclosed directed to me at 194 Broadway.

No. 649, 2214 New York, Oct 29th 1875

Messrs Edison & Murray Newark N.J.

Please furnish The Atlantic & Pacific & Franklin Tel. Co's with Duplicate Invoices bearing the above number.

Ship by Express to A & P Tel Co Middletown Butler County Ohio

1 Automatic Relay

SPECIAL

O.K.

A&P

Charge

Edward C. Cockey

Supply Agent.

Notice.—When either copy charged, A. & P. receipts are filled in Atlantic & Pacific Tel. Co. When only one copy charged, A. & P. receipts are filled in Franklin Tel. Co. When neither copy charged, receipts are filled in Atlantic & Pacific and Franklin Tel. Co., and for the other half to Franklin Tel. Co.

SUPPLY AGENT

EDWARD C. COCKEY

Invoices that do not have Order number will be returned. Those acknowledge receipt of this date, and upon which receipts will be sent. Receipts for partial shipments, bills should always be enclosed directed to me at 194 Broadway.

Note.—When order copy charges A. & P. make out bills to Atlantic & Pacific Tel. Co. When order copy charges A. & P. make out bills to Franklin Tel. Co. When order copy charges Atlantic, make out bills for one-half to Atlantic & Pacific Tel. Co. When order copy charges Franklin, make out bills for one-half to Atlantic & Pacific Tel. Co. and for the other half to Franklin Tel. Co.

EDWARD C. COOKEY
SUPPLY AGENT

No. 807,2498 New York, Nov 30 1875

Messrs Edison & Murray, Newark

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

12 Automatic Receiving Pens
12 " Transmitting Pens
20 Felt Pen wipes

A & P.

Charge Edward C. Cooley
Supply Agent.

Invoices that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. To secure prompt attention, bills should always be sent and directed to our at 194 Broadway.

Note.—When order copy charges A. & P. make out bills to Atlantic & Pacific Tel. Co. When order copy charges A. & P. make out bills to Franklin Tel. Co. When order copy charges Atlantic, make out bills for one-half to Atlantic & Pacific Tel. Co. When order copy charges Franklin, make out bills for one-half to Atlantic & Pacific Tel. Co. and for the other half to Franklin Tel. Co.

EDWARD C. COOKEY
SUPPLY AGENT

No. 810,2500 New York, Nov 30 1875

Mr. T. A. Edison Newark

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

1 Automatic Relay

A & P.

Charge Edward C. Cooley
Supply Agent.

Invoices that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. To secure prompt attention, bills should always be sent and directed to our at 194 Broadway.

Note.—When order copy charges A. & P. make out bills to Atlantic & Pacific Tel. Co. When order copy charges A. & P. make out bills to Franklin Tel. Co. When order copy charges Atlantic, make out bills for one-half to Atlantic & Pacific Tel. Co. When order copy charges Franklin, make out bills for one-half to Atlantic & Pacific Tel. Co. and for the other half to Franklin Tel. Co.

EDWARD C. COOKEY
SUPPLY AGENT

No. 861,2555 New York, Dec 6 1875

Mr. T. A. Edison

Please furnish **The Atlantic & Pacific & Franklin Tel. Co's** with Duplicate Invoices bearing the above number.

50 Rubber Rings for Cork Rule

Deliver to E. H. Johnson

O. K.

JOINT

Charge Edward C. Cooley
Supply Agent.

Invoices that do not bear their number will be returned. Please acknowledge receipt of this, and say when Supplies will be sent. To secure prompt attention, bills should always be sent and directed to our at 194 Broadway.

1875. Telegraph - Litigation (D-75-019)

Correspondence.

Not selected: printed documents also bound in Quadruplex Case volumes, Litigation Series.

Washington D.C. May 27. 1875

My Dear Mr Reiff

I read with care the very able and excellent brief of Mr Russell. It covers the whole case from his stand point, that is to say, the power of the Commissioner and the right of Edison. I read Mr Lakotha remarks with care and agree with him that we had better make no change. The first Mellay motions is never to change points under fire. I have been to way to see the Commissioner. I have stated to the Assistant Attorney General for the Interior Department. Mr Smith that I did not think I would answer the very disgraceful and blackguard brief of Mr Conklin. but I called his attention to one point You know the Commissioner decided that there was no evidence before the Department that Edison had ever thought of double transmitted or duplex telegraphy, until after the deed to Harrington in 1870. Yet Conkling quotes his brief a deed of Edison to Walsh in 1869. more than a year before, where Edison deeds to Walsh a double transmitter" by name I have great confidence that we shall win our case at least I shall advise to hold where we are.

Yours very truly
Benj. Butler

J C Reiff Esq
52 Broadway.
N.Y. City.

Latrobe's reply to Russell's 2d letter of the
(1875)

J. C. Reiff Esq
79 Broadway N.Y.

My dear Sir.

I have your letter of the 26th with Mr Russells additional remarks in M.S. At page 3. he puts the whole case in a nutshell when he says- "It appears to me that our position would be improved by so shaping the case that instead of our having to go into a Court of Equity to divest Prescott of his legal title. he would have to go into a Court of Equity to establish his claims" and for this purpose Mr Russell prefers the "new departure" at once

My reason for awaiting the Secretarys action I have already given. Admitting Mr Russells argument to be sound. and am not prepared to dissent from his views as regards the legal questions involved. Well we be in any worse position from which to take the "new departure" then. should it be deemed Expedient. than we are now.

Were letters patent on the several applications to be issued contemporaneously with the secretary decision.- to withdraw now would be better than to postpone. Apart from the way business is managed in Washington. I have not the least apprehension of such rapid action

Against such a contingency, however provision might be made by authorizing Gen Butler or Mr Schandler both of whom are on the spot to withdraw the present applications on the instant the necessity becomes apparent.

If the action of the secretary will neither help nor make worse Prescott's situation we cannot well be injured by waiting for it. The mingling of matters of policy with questions of law is apt in nine cases out of ten to cause such imbroglios as are now in. Certain reasons seemed to make it ~~desirable~~ to prevent the issue to Edison and Prescott and so while Coulter and Ashton appeared for E & P. Myers and Latrobe for E & Harrington for S. Mr Leggett & Butler and Mr. Russell appeared for Mr Edison alone. Hence the imbroglios as Mr Russell calls it most truly

Still as the whole proceeding has been instigated on behalf of N & E, and those behind those two - as we obtained the Certiorari which brought the matter before the secretary and argued and gained the utterly contested point of jurisdiction I would rather await the decision here asked for than not - believing that the views so thoroughly enforced in Mr Russell's printed and M. S. brief

may be adopted as well and as efficiually afterwards as now. Still I am not tenacious & freely admit that the thorough examination that Mr Russell has given to the subject entitles his opinion to great weight.

Very truly Yours
Jno. H. B. Latrobe.

May 29-75

1875. Telegraph - Western Union Telegraph Company (D-75-020)

Correspondence, some by Edison; agreements, accounts (1875-1876), payrolls (1875-1876), sample telegraph form.

Filmed in the following order: correspondence and agreements, accounts, payrolls, form.

All selected.

Dup. 1.

ELECTRICIAN'S DEPARTMENT

WESTERN UNION TELEGRAPH COMPANY

GEORGE B. PRESCOTT,

ELECTRICIAN.

NEW YORK Aug. 10 1876

Thomas A. Edison,

Dear Sir,

Referring to our interview of last Tuesday in which you stated that you thought Mr. Gould would recovey to you your interest in the Quadruplex, so that there would be no obstacle in the way of the patents being granted to us, and of our obtaining the royalty from the Western Union in accordance with our agreement, I would like to know whether you have since had any conversation with Mr. Gould, and if he is willing to exchange his interest in your half of the Quadruplex for your interest in the Autonoke as proposed by you.

I have not yet received any replies from abroad to my proposition to sell the Quadruplex patents but expect to soon

Yours respectfully

Geo B. Prescott

Form of Receipt given Western Union Telegraph Co. on the Acoustic Telegraph experiments.—

I hereby acknowledge the receipt of Two Hundred $200 dollars paid to me by the Western Union Telegraph Company on account of expenses incurred in conducting experiments for said company for the purpose of ascertaining the practicability of Acoustic Telegraphy; and I hereby agree that in case I shall at any time hereafter secure letters patent of the United States, for any of my inventions in Acoustic Telegraphy as explained on pages 141. 142 143 and 144 of a book entitled "Wonders of Electricity" Translated from the French of J Baile published by Scribner Armstrong & Co New York 1872. that I will assign such inventions so covered by letters patent to the Western Union Telegraph Co. If in the event of failure to agree with said Company as to any further compensation than I have previously received on account of such inventions, which I may demand. then it is hereby agreed that the question as to the amount of such compensation if any shall be settled by competent arbitrators appointed in the usual manner

Nov 27 1875

Thos A. Edison

Another receipt of which this is a copy was signed a week previous to this —

Edison

Gold & Stock Telegraph Company

Western Union Building,

Marshall Lefferts, President.
Henry W. Ward, Sec'y & Treas.

New York, Nov. 27/55 1887

Wm Orton

Financial Fuel!

Edison

Dec. 14. 1875

Orton on behalf of the W.U.T.C. agrees to

furnish full facilities in power which he possesses

shops and lines by paying all actual expenses not exceeding $ ——— per mile of conductor for such expenses to be decided by E whenever the same shall be required, but after the expiration of such period the option to discontinue business shall be at the option of the company, and the shares of the capital stock of the company shall be at the disposal of the company.

2 Edison agrees to give his (Orton's) time and best energies shall be devoted to devising new and useful methods for employing electricity, or improvements in the transmission of signals or signal and to devising improvements in telegraphs, methods, or apparatus now or hereafter to be in use or invented or known for the purpose above stated.

3 whenever E shall have invented any new or any improvement upon any old method system or apparatus, he shall immediately convey a case at or application to be filed in the patent office with a view to the issuance of letters patent and shall immediately execute and deliver a sufficient assignment to the western U Tel Co and do everything the which might lawfully and reasonably be required of him by the Co or any other person or persons of obtaining so included shall reasonably authorize the P P L or any other attorney or the Co shall name or be allowed to select such patent and to represent him at the patent office &c &c — thereupon the W U Tel Co having paid all expenses of such assignment shall have two months after the issue of such patent to examine the same and if it does not assign the same it shall pay E $ ——— for each such patent subject to the rights of other parties to all for an consideration of which persons who may manage the amount the amount to be paid not exceeding $ ——— or decline it not less than $ ——— Both so manage shall be made so as to require the Company to pay E for patent more than $ ——— in the first year $ ——— in the 2nd year $ ——— in the third year or any year thereafter during the term of this agreement. The Co will also pay the expense of obtaining patent in foreign countries on all such patent as are to be paid will qualify such country the patents when issued shall be for the benefit and in the joint name of E & the Company or O for its use —

3 All inventions completed or patented after the expiration of this agreement which were in any degree concerned or interested within the term of this agreement shall be covered by the terms hereof which shall also be deemed to cover all inventions heretofore made by E for any purpose above mentioned but not patented and all letters patent of the U.S. for inventive devices or improvements for such purpose hereofore granted except such as are now in dispute between Geo B P & other persons respectively claiming an assignment of Edison of being indebted & indebted hereby that this agreement shall assign & does hereby assign & restore to the W.U. Tel Co all interest remaining in E. in & to the inventions or letters patent referred to or intended to be covered by the agreement of E & P of August 19 1874 &c. Each patent & invention shall be under the subject of separate assignment & G B P & such other persons & shall form & make true

participate in all experiments to be kept fully informed of all discoveries, inventions and experiments & to keep a record thereof to be signed from time to time by P.T.E & left with the W.U. Tel Co. as evidence of the order of progress & date of experiments & discoveries or inventions =

Copy

I Thos A Edison party to the foregoing instrument of December 14. 1875 do hereby declare that the inventions, my then remaining interest in which if any I did by said instrument assign and set over to the Western Union Telegraph Co are all those inventions which are respectively described in applications relating to Duplex Telegraphs numbered 94 95 96 97 98 99 & 100. which were severally filed in the US patent office on the first day of September 1874 and also the inventions described in applications 112 & 113 filed in said Patent office Dec 28th 1874. and March 23. 1875 respectively, and also the inventions described in application 111 filed in said patent office. And I further declare that the letters patent granted or to be granted or to be granted, referred to in said instrument of Dec 14 1875 my remaining interest in which if any I assigned by said instrument to the Western Union Telegraph Co for the letters patent of the US. are all the inventions described in the several applications above mentioned and especially the letters patent of the US. No 162 633. dated April 27. 1875

In witness whereof I have hereto set my hand and seal.

this — - - day of in the year

Y. 7 A E poly to t frogg mat of Dec 14/75 - do hereby declare
tt I inventor my tn remaining interest in which of any I did by sd
mat assign & set over 2 t W U Tel Co r all those
inventions which r respectively described in applications
relating to Duplx Tels no 94 To 99 & 102 which
were severally filed in t US Pat offs on t 1st day of
Sept 1874 & Iso t inventions described in applications
112, 113 filed in said Pat offs Dec 28 - 74 &
March 23 75 - respectively & also t invention described
in appn 111 filed in said pat offs.
& I further declare tt t letters Pat granted or 2 6
granted nefol 2 n sd mat of Dec 14 75 in
remaining interest n which of any I assgnd by
said mat 2 t W.U Tel Co r t letters Pat
t t US r al t inventions described n t sevrl
applns above named. & especially t letters Pat
of the US no 162 633 dated april 27 1875 -
in witness whereof I have hereto set my hand
& seal this ——— day of ——— in the year

William Orton,
President.

Executive Office.

Western Union Telegraph Company.

New York Dec. 16, 1878

Geo M Phelps, Esq
Dear Sir,

Please confer with Mr Edison about the practicability of conducting some experiments at the shop. Also permit him to look over your collection of old instruments to ascertain what it will yield. Advise

Very Respy,

Wm Orton

Newark Dec 29. 1875

Wm Orton Esq

I struck the right principle for the transmission of vibrations last night, and received two different messages on my adjustable resonators without interferance. Tonight I am trying to transmit three, I have only one resonator and it hasnt range enough to pick the third message out, but will have some labering tomorrow for new ones, will keep you advised hereafter by letter. If you had some place over there (spare room) I could bring app over & show you the two messages, perhaps I in couple more days.

Yours

Edison

Statement of Moneys expended on
'The Acoustic Telegraph' by Thos A Edison

1875			
Nov 20	Labour. Batchelor $50 Adams 20	$80	
	Kreusi 90 hours at 3½¢ $32.50 Gartland 20 at 16¢ 3.20	26	95
24	Meekers bill Comp. Castings	22	42
27	Labour Batchelor 50 & Adams 30	80	
	Kreusi 66 hr 3½¢ $24.75 Egan 40 hr at 30¢ $12.00	40	50
	Ott 47 hr 3½¢ 16.62 Gartland 40 at 16¢ 6.40	24	02
Dec 4	Labour Batchelor Adams 30	80	
	Kreusi 90 hr at 3½ $33.75 Ott 60 at 3½¢ $22.50	56	25
	Egan 75 hr at 30¢ 22.25	26	25
	Garner 50 hr at 32½¢	16	25
	Gartland 60 hr at 16¢	9	60
	Spice 1 week at 20	20	
		$502	54

Statement of Monies expended on Dec 11th
'The Acoustic Telegraph' by
Thos. A. Edison

1875			
Dec 11th	Batchelor 1 week	$50	00
	Adams ½ week	15	
	J Kreusi 93 hr at 3½¢	34	88
	J Ott 74 hr " 3½¢	27	75
	Gardner 69 hr at 32½¢	22	42
	J. Egan 75 hr at 35¢	26	25
	B. Gartland 50 hr at 16¢	8	
Dec 1	Bradleys bill for spools	6	
Dec 3	Haydens bill for Brass	1	22
" "	Price's bill for Japanning	11	
	Statement Dec 4th	502	54
		$705	06

Statement of Work on Acoustic Telegraph No 2.

1875					
Dec 11	Statement rendered.			705	06
Dec 15	Labour to date	197	81		
	Hobson's steel bill	9	05		
	Van Horsands bill for Acoustic books	18	57	225	86
Dec 25	Labour to date	214	59		
	DM Meeker Dec 21st	3	15	217	74
1876 Jan 1st	Labour to date.	161	90		
	Condit + Hanson Dec 28	19			
	G Price Dec 29	11		191	90
Jan 8	Labour to date.	150	13		
	Gas bill	64	35		
	Jacob Hey Jan 1	6	45		
	DM Meeker Jan 4	1	63		
	Platina cash	3			
	Wm Elliott Brass tube	11	67		
	Wm Elliott Brass tube paid by Edison	12	30		
	Roebeck + Grabeler Aluminium	2		251	53
				1592	39

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

Labor on Acoustics

Week Ending Nov 19th 1876

Baker		$60 00
Adams		30 00
Kruson 90 hours at	60	54 00
Gartland 20	30	6 00
		150 00

Nov 26th Baker			60 00
Adams			30 00
Kruson 66 hr at	60¢	"	39 60
Egan 45 "	60¢	"	27 00
John Ott 47 "	60¢	"	28 20
Ben Gartland 20 hr ~~20~~	12½¢		2 50
			187 30

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

Dec 4th 1876

Baker	"		60 00
Adams	"		30 00
Kruson 90 hr at	60¢		54 00
John Ott ~~60~~ "	60	"	36 00
Gartner 60 "	60	"	30 00
Ben Garland 60	12½	"	7 50
Egan 75 hr "	60	"	45 00
			262 50

Dec 11th

Baker			60 00
Adams			30 00
Kruson 93 hr at	60¢		55 80
J. Ott 74 "	60¢		44 40
Gartner 69 "	60¢		41 40
Egan 75 "	60		45 00
Ben Garland 70 "	12½	"	7 65
			284 15

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Dec 18th

Batch			$60 00
Adams			30 00
Kruse 85 # at	60 P	"	51 00
John Ott 64 P	" 60	"	36 90
Wurth 10 "	60	"	6 00
Egan 88 "	60	"	52 80
Gartner 59 "	60	"	35 40
Tom Gartland 24 "	30	"	18 00
Ben Gartland 60	12 P	"	7 50
			297 60

Dec 25th

Batch			$60 00
Adams			30 00
Spice			30 00
Kruse 77 # at	60 P		46 20
Wurth 57 "	60	"	34 20
John Ott 45 "	60	"	27 00
Gartner 30 "	60	"	18 00
Egan 62 "	60	"	37 20
Tom Gartland 30 "	30	"	24 00
Ben Gartland 30 "	12 P	"	6 25
			308 85

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Jany 1st

Batch			$60 00
Adams			30 00
Spice			30 00
Kruse 88 # at	60 P	"	53 60
Wurth 51 "	60	"	30 60
John Ott 43 P	" 60	"	26 10
Tom Gartland 30 "	30	"	18 00
Ben Gartland 50	12 P	"	6 25
			231 55

Jany 8th

Batch			60 00
Adams			30 00
Spice			30 00
Kruse 60 # at	60 P	"	36 00
Wurth 62 "	60	"	38 20
John Ott 60 "	60	"	36 00
Tom Gartland 60 "	30	"	18 00
Ben Gartland 60	12 P	"	7 50
			255 70

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Jany 15th Batch			$60 00
Adams			30 00
Spice			30 00
Wurth 65 lb at	60¢	"	39 00
Krusie 65 "	60	"	39 00
John Ott 53 "	60	"	31 80
Egan 43 "	60	"	25 80
Tom Garthland 60 "	30		18 00
Ben Garthland 60	12½		7 50
			281 10
Jany 22d			
Batch			$60 00
Adams			30 00
Spice			30 00
Krusie 44 lb at	60¢	"	26 40
Wurth 67 "	60 "	"	40 20
John Ott 51 "	60	"	30 60
Egan 59 "	60	"	35 40
Tom Garthland 45 "	30	"	13 50
Ben Garthland 60 "	12½	"	7 50
			273 60

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Jany 29th Batch			$60 00
Adams			30 00
Spice			30 00
Wurth 70 lb at	60¢		42 00
Krusie 12 "	60	"	7 20
John Ott 23 "	60	"	13 80
Egan 49 "	60	"	29 40
Tom Garthland 62 "	30	"	18 90
Ben Garthland 60 "	12½	"	7 50
			$240 60
Feb 5th			
Batch			$60 00
Adams			30 00
Spice			30 00
Wurth 62 lb at	60¢	"	37 80
Krusie 32 "	60	"	19 20
John Ott 37 "	60	"	22 20
Egan 43	60		25 80
Tom Garthland 60 "	30		18 00
Ben Garthland 60	12½		7 50
			251 50

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., ... 18

Feb 12th Batch		"		60
Adams		"		30
Price		"		30
Wurth 70 at	60¢	"		42
Krusie 40 "	60	"		24
Tom Garttland 82 "	30	"		18 60
Ben Garttland 78 "	12½	"		9 75
				211 35
Feb 20th Batch		"		$60 00
Adams		"		30 00
Price		"		30 00
Wurth 65th at	60¢	"		39 00
Krusie 7 "	60¢	"		04.20
John Ott 60 "	60	"		36 00
Jim Egan 60 "	60	"		36 00
Tom Garttland 60	30	"		18 00
Ben Garttland 60	12½	"		7 50
Weeley 60	30	"		18 00
				278 70

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., ... 18

Feb 27th Batch				$60 00
Adams				30 00
Price				30 00
Wurth 60th at	60¢			36 00
Krusie 60 "	"	60		36 00
Ott 60 "	"	60		36 00
Egan 60 "	"	60		36 00
Tom Garttland 60		30		18 00
Weeley 60		30		18 00
Ben Garttland 60		12½		7 50
				301 50
March 2d				
Batch				60 00
Adams				30 00
Price				30 00
Wurth 30th	60¢		"	18 00
Krusie 40 "	60		"	24 00
Garttland 60 "	30		"	18 00
Weeley 60 "	30		"	18 00
Ben Garttland 60	12½			7 50
				205 50

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., ... 18

March 9th

Adams	30 00
Wurth 60 lt at 60¢	36 00
Krusie 60 " " 60¢	36 00
Gartland 60 " 30	18 00
Wesley 60 " 30 "	18 00
Ben Gartland 60 12/2 "	7 50
	$148.50

March 15th

Adams	~~60~~ 30 00
Wurth 30 lt at 60¢	18 00
Krusie 30 " 60	18 00
Gartland 60 " 30 "	18 00
Wesley 60 " 30 "	18 00
Ben Gartland 60 12/2	7 50
	109.50

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., ... 18

March 22d

Adams	$30.00
Wurth 30 at 60¢	18 00
Krusie 20 " 60	12 00
Gartland 30 " 30	9 00
Wesley 60 " 30	18 00
Ben Gartland 60 12/2	7 50
	94.50

March 29th

Adams	$30 00
Wurth 60 lt at 60¢	36 00
Krusie 60 " 60	36 00
Tom Gartland 60 " 30	18 00
Wesley 60 " 30	18 00
Ben Gartland 60 12/2	7 50
	145.50

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Apr 5th		
Adams		$30 00
Wurth 20 lb at 60¢		12 00
Kruse 20 " 60		12 00
Mr Tom Garthand 60 30		18 00
		72 00
Apr 12th Adams		$30 00
Wurth 30 lb at 60¢		18 00
Kruse 30 " 60		18 00
Garthand 60 30		18 00
		84.00
Apr 19th Adams		$30 00
Wurth 30 lb at 60¢		18 00
Kruse 60 " 60		36 00
Garthand 60 30		18 00
		102 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

(On time on Account)

Kruse		
April 8th	"	$100.00
May 10	"	100 00
July 6	"	50.00
" 31	"	100 00
		$350 0

Wurth		
Apr 8th	"	100.00
May 6	"	200.00
" 13	"	10 00
" 22	"	100 00
		$410 00.

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Apr 26th Adams	30	00
Wurth 30th at 60¢	18	00
Krusin 30 " 60	18	00
	66	00
May 1st Adams	$30	00
Wurth 60th at 60¢ "	36	00
Krusin 60 " 60¢ "	36	00
	102	00
May 8th		
Adams	$30	00
Wurth 60th at 60¢	36	00
Krusin 60 " 60¢	36	00
	102	00
May 15th		
Adams	$30	00
Wurth 60th at 60¢	36	00
Krusin 60 " 60	36	00
	102	00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Garkland		
May 3d "	28	45
Collins		
500 Hours at 40¢	200	00
Jim Gilliland	58	00
E. H. Johnson	220	00
J. Adams	262	00
E. T. Gilliland	267	00
	1032	45
	350	00
	40	
	1792	45
	1323	52
	3115	97
Dick Henderson	60	00
	3175	97

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

May 22d

Adams	$30 00
Wurth 60 # at 60¢	36 00
Krusin 60 " " 60	36 00
	102 00

May 29th

Adams	30
Wurth 40 # at 60¢	25
Krusin 40 " 60	25
	86

June 6th

Adams	30 00
Wurth 60 # at 60¢	36 00
Krusin 60 " 60	36 00
	102 00

June 13 Adams

	$30 00
Wurth 60 # at 60¢	36 00
Krusin 30 " 60"	18 00
Gilliland	30 00
	114 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

June 20th

Adams	30 00
Wurth 60 # at 60¢	36 00
~~Krusin~~ Gilliland	30 00
	96 00

June 27th Adams

	30 00
Gilliland	30 " 00
Wurth 70 # at 60¢	42 00
	102 00

July 5th Adams

	30 00
Gilliland	30 00
Wurth 75 # at 60¢	45 00
	105 00

July 12th Adams

	30 00
Gilliland	30 00
Wurth 70 # at 60¢	42 00
	102 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

July 19th Adams	$30 00
Gilliland	30 00
Wurth 60 ft at 60¢	36 00
	96 00
July 26th Adams	$30 00
Gilliland	30 00
Wurth 60 ft at 60¢	36 00
	96 00
Aug 4th Adams	30 00
Gilliland	30 00
Johnson	30 00
Wurth 60 ft at 60¢	36 00
	$126.00
Aug 11th Adams	30 00
Gilliland	30 00
Johnson	30 00
Wurth 60 ft at 60¢	36 00
	126 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

Aug 18th Adams	30 00
Gilliland	30 00
Johnson	30 00
Wurth 70 ft at 60¢	42 00
Collins 10 " 60	6 00
	$138.00
Aug 25th Adams	30 00
Gilliland	30 00
Johnson	30 00
Wurth 60 ft at 60¢	36 00
Collins 70 at 60	42 00
	$168.00
Sept 1st Adams	30 00
Gilliland	30 00
Johnson	30 00
Wurth 70 ft at 60¢	42 00
Collins 70 " 60¢	42 00
Dick 60 " 30¢	18 00
	192 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Sept 8th Adams		30 00
Gilliland		30 00
Johnson		30 00
Mark 66th	at 60¢	39 00
Collins 70 "	60	42 00
Dick 60 "	30	18 00
		189 00

Sept 15th Adams		30 00
Gilliland		30 00
Johnson		30 00
Mark 60th	at 60¢	36 00
Collins 70 "	60	42 00
Dick 60 "	30	18 00
		186 00

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Sept 22 Adams		30 00
Gilliland		30 " 00
Johnson		30 " 00
Collins 70th	at 60¢	42 00
Dick 60 "	30	18 00
		$186 " 00

Sept 29th		
Adams		30 00
Gilliland		30 00
Johnson		30 00
Mark 6th	at 60¢	3 60
Collins 60 "	60	36 00
Dick 60 "	30 "	18 00
		147 " 60

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., _____ 18

Oct 6th	Adams	30 00
	Gilliland	30 00
	Johnson	30 00
	Worth 10 lt at 60¢	6 00
		96 " 00
Oct 13	Adams	30 00
	Gilliland	30 00
	Johnson	30 00
		90 00
Oct 20	Adams "	$30 00
	Johnson "	30 00
		60 " 00
Oct 27	Adams	30 00
	Johnson	30 00
		60 00
Nov 4th	Adams	30 00
	Johnson	30 00
		60 00.

WESTERN UNION TELEGRAPH CO

Autographic Telegram

Leave no vacant spaces

~~Dear~~ Chasking & Co Boston from — N York Oct 6 75
Mass Wednesday shipped you three
thousand five hundred cases
of the best Alpacca Delaines
please forward immediately
twelve thousand five hundred
dollars of July balance Ward & Co
10 paid
each square one monetary

WESTERN UNION TELEGRAPH CO

Autographic Process

Chasking & Co Boston. N York Oct 6 75
Mass Wednesday shipped you three
thousand five hundred cases
of the best Alpacca Delaines
please forward immediately
twelve thousand five hundred
of July balance Ward & Co
10 paid

DOCUMENT FILE - 1876

D-76-001	Edison, T.A. - General
D-76-002	Edison, T.A. - Bills and Receipts
D-76-003	Edison, T.A. - Book and Journal Orders
D-76-004	Edison, T.A. - Checks (not selected)
D-76-005	Edison, T.A. - Family
D-76-006	Edison, T.A. - Insurance
D-76-007	Electric Pen - Edison's Electrical Pen & Duplicating Press Co.
D-76-008	Electric Pen - Great Britain
D-76-009	Etheric Force
D-76-010	Exhibitions
D-76-011	Gilliland & Co.
D-76-012	Patents
D-76-013	Railroad - Port Huron and Sarnia Railway Companies
D-76-014	Telegraph - General
D-76-015	Telegraph - Atlantic & Pacific Telegraph Co.
D-76-016	Telegraph - Domestic Telegraph Co.
D-76-017	Telegraph - Murray, J.T.
D-76-018	Telegraph - Western Union Telegraph Company

1876. Edison, T.A. - General (D-76-001)

Correspondence, accounts, promissory notes, stock certificate, tax bills, unpaid bills and related correspondence.

Not selected: duplicate bills.

THE SOCIETY OF TELEGRAPH ENGINEERS.

4, BROAD SANOTUARY, LONDON.

No. 19

Local-Hon. Sec. and Treasurer for North America

Received from T. A. Edison Esq.

the Sum of Two Pounds being his Subscription to The Society of Telegraph Engineers for the year commencing the 1st of January, 1876, as follows:—

	£	s.	d.
Member's Subscription - -	$	15	30
Publishing Fund - - -			
Total £	$	15	30

Geo. G. Ward

Local Hon. Sec. and Treasurer.

Address 6 Broad Street N.Y.

$1.00 on hand to my credit.

[1876-01-02]

Private

Thomas A.

My New Years day - was ushered in by the Domestic "Scene" of my Life - It opened auspiciously - & I went down town in the am to return in the PM. in anticipation of Lots of Frolic & Dinner - but really to witness the Grandest row you Ever saw - a Mother-in-law - Squabble & all about me - It only shows that a man fools himself Who flatters himself that his Mother in Law is not as others - they are all of one Cloth - It appears that the Old Lady was not in a particularly good Humor & some innocent remark of mine made in the morning about the New year - in no manner bearing upon her, was twisted, for a momentary indulgence in "injured innocence" - to bear a personal application - My wife resenting the Idea that I should allude anything personal a war of words ensued - which like an Whirl-wind - gathered force as it flew. & as both parties to the Combat are blessed with good tongues you can Easily Guess that a point was soon reached from which there was for me - when I had it related to me - no stop backward - Whatever they might have done if left Alone - The main point turned to be that I was not Capable of keeping my Family & she had to keep them for me &c &c. I listened Calmly enough to the recital then ordered My wife to

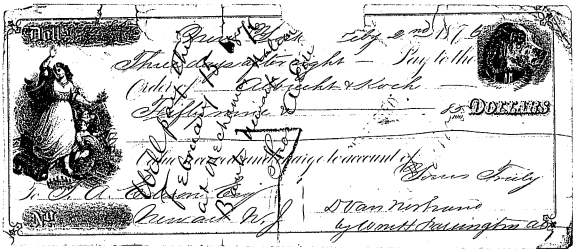
Dress herself & Baby for the street & in an hours time we were off to another House - where my wife will remain a few days until I can bring her over here -

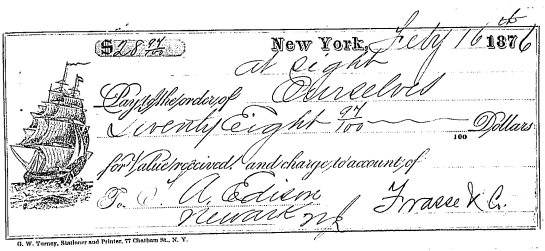
This altogether unbecoming of occasion makes it imperative that she should be with me at once - She has been talking that way for some time, & I thought that it was only her natural desire to be with me - but now that the Cat has been so unceremoniously let out of the Bag - she tells me that hints & innuendoes have frequently been given - when a little ~~attack~~ of dispeasy prevailed - though at all other times Everything was so lovely that she thought not to worry or hurry me by telling me about it - I gave them to understand that in many moons I would be able to buy the whole gang - & that I was perfectly able to take care of my own self - am very wild - but I must do it somehow

Your a young "Old Patriarch"

Yours E.H.J.

E.H. Johnson





G. W. Torrey, Stationer and Printer, 77 Chatham St., N. Y.

Albrecht a Koch

Hracek A.

Newark, N.J. March 8. 1876.

Mr. T. A. Edison

To L. Southard M.D.

1872		
Feby 11-17	To 1 Visit.	1 00
" 18-24.	" 4 visits.	4 00
March 24-30.	" 3 Vaccinations.	3 00
April 7-13	" 1 Visit.	1 00
" 21-27.	" medicine for Wife.	50
June 30-July 4.	" 4 visits.	4 00
July 7-13.	" 3 visits.	3 00
" 14-20	" 3 visits.	3 00
" " "	" Medicine.	1 50
Sept 1-7	" 4 visits.	4 00
" " "	" Medicine.	60
1873. 8-14	" 1 Visit.	1 00
March 2-8	" 2 visits.	2 00
" 9-15	" 1 Visit.	1 00
April 6-12	" 5 visits.	5 00
" 13-19	" 1 Visit.	1 00
" 27-May 3.	" 1 Visit.	1 00
July 27-Aug 2	" 1 Visit.	1 00
Aug 6-12	" 2 visits.	2 00
Sept 24-27	" 2 visits.	2 00
1874. January 11-17	" 2 visits.	2 00
" 18-24.	" 1 Visit.	1 00
		$44 60
1876. March 8	To Interest from January 24th to March 8-1876. 2 yrs. 1 mo. 15 dys.	6 61
		$51 21

1876 March 16 Received Payment for a Bonus Bill by Check dated March 11 1876 for $51.21 on Mechanics Nat Bank

A. Manners

MENLO PARK

T. A. EDISON,

NEWARK, N. J.

10 & 12 Ward St. March 25 1876

T A Edison

Dr.

To one bilding	$2511 00
T A E & Bachelor	" " 37 00
bill of Paint	" " 21 75
Windows	" " 15 30
window & door frames	" " 9 50
Pinn-Lumber & work cement & lime	" " 13 51
Jingine foundation 1 days work	" " 11 00
12 Beers	" " 24 00
Work and Material on little bilding	" " 37 00
To unloding cars 2 Teams	" " 5 00
Loborin all	" " 12 25
Team To factory 1 1/2 Days	" " 6 00
2 days help B Joker & Nigger	" " 5 00
B. Joker 2 1/2 days work	" " 3 75
By lumber Thomas Harris &	$129 75 $ 269 36
" cash	" 569 00
Labor Jeff	" 2 40 55
	$240 55

Balline $28 973

To amount brought over		$26,936
By " " "	$240,753	
" Cash " "	" 60,000	
To Eidem Bonds & Mengels " " "		" 5807
" Paid G. W. Ayers & Co. Printer		" " 4100
" 800 ft Hemlock Bonds		" " 1600
" 280 of Studding of Jopes for Mill Bldg		" " 500
		$12,007

Agl 8-76

Check to Order of $249 90

Check for $100,000

All paid.

45.26
2705
1.00

325
43
50

Chas Wurth was
here with our machinery
the 25th of March 1886

K 25th

Mch 28, 76

Moved to

Menlo Park

CHAS. BATCHELOR. 10 & 12 WARD ST.,

NEWARK, N. J., 187

Mr. A. Edison Esq.

On the 12th March you gave me $125 to pay bills of yours

I have paid the following.— Enclosed find receipts

	James Gallagher	(full)	32.40
1	Richard Douglas & Co	(full)	6.85
1	Williams & Kunn	(full)	8.58
1	Howard Brothers	(full)	1.75
	L Bradley	(full)	4.00
1	Wilkinson & Co	(full)	1.25
1	Jacob Hey	(full)	1.25
1	Wadsworth Martinez & Longman	(full)	19.12
1	H.M. Wildman	on a/c	34.43
	Elisha Wilson	(full)	15.00
			$125.00

(Apr. 1 1876)

J. A. Cadman — Jo. Wm. H. Kirk Cr.

1874 July	1	To	1 quarter	rent	at $3000 per annum	$750
Oct	1	To	1 do	do	do	750
1875 Jan'y	1	To	1 do	do	do	750
April	1	To	1 do	do	do	750
July	1	To	1 do	do	At $2700	675
Oct	1	To	1 do	do	"	675
1876 Jan'y	1	To	1 do	do	"	675
April	1	To	1 do	do	"	675
						$5700

1874 Oct	3	By	draft on J. Pheff	$500
	"	By	Note J. J. Pheff	1000
1875 Jan'y	9	By	Cash	750
April	5	"	do	100
July	1	"	do	500
"	17	"	do	100
Sept	3	"	do	200
	23	"	J. A. Cadman Note	200
Oct	7	By	Cash	100
	16	"	do	100
1876 Jan'y	5	"	do	250
	14	"	do	200
	31	"	Check	218.76
Feb'y	14	"	do	400
March	1	"	do	400
				$5018.76

Balance due April 1 $681.24

CHAS. BATCHELOR. (1876?) 10 & 12 WARD ST.,

NEWARK, N. J., 187

Apl 1	Nerd Freeborn	$10	00
" "	Smith & Lowrey Chemicals	96	39
" "	Books	08	00
" "	Crowell & Co	2	64
" 13	Platina	10	00
" 13	Ferrell.	15	00
" 23	Telegraph poles. hauling & cutting	9	00
May 1st	Bradley Spools -	16	00
" "	Coal Weyman. Lehmann	15	00
" 2	Pew Co Zinc for carbon battery	15	00
" 10	Chemicals Condit & Hanson Sich.	100	23
" 12	Books on electrics	5	00
" "	Spools Bradley	20	00
" 13	Brass castings Hopkins.	17	50
" "	Glass ware Lincoln	15	00
" 17	Rigby Pulley	8	00
" 17	Chemicals Condit Hanson	5	15
		357	36

CHAS. BATCHELOR. 10 & 12 WARD ST.,

NEWARK, N. J., 187

June 1st		Gum Composition Castings Small for Ko	10 50
" 23		Coal Weyman	45 00
"	"	Manning & Freeman	14 00
" 26		Chemicals Condit & Hanson	6 62
" "		Williams & Plum Stationery	4 00
July 6		Office Wire	10 00
" 10		Chemicals Condit & Hanson	50 00
" 13		Books	27 00
" 13		Patterns Comison	40 00
" 13		Chas Batchelor Ball Metal for Castings	85 00
" 26		Office wire	13 00
" 31		Coal Weymouth	15 00
July 21		Alcohol Condit & Hanson	8 62
Aug 8		J. H. Thomas Chemicals	10 76
" "		Rohrbeck & Goebeler	15 96
" "		Platinum Wire & Foil (Raymond)	25 50
" 10		Condit & Hanson Chemicals	136 91
" 15th		Brass Castings Fallon & Sur	8 50
" "		Bell Metal Castings	16 46
			484 91

CHAS. BATCHELOR.

10 & 12 WARD ST.,

NEWARK, N. J., 187

Aug 12	Chas. H. Graef Hard rubber	$ 23 " 52
" "	Chemicals Condit & Hanson	9 " 88
	4 bbls Kerosene oil	60 " 00
	8 tons coal Hoyt	40 00
	6 Batts for Carbons	10 00
	25 Lamp Chimneys	1 20
	2 gals Lard oil	2 50
	6 Pr. Lubleporrled teeth	60
	Freight on Battery	3 00
	Iron castings Taylor	78 00
	Hard rubber	10 00
	Alcohol 6 Gals	15 00
	Battery brushes	1 " 25
Oct 11th	Carpenter Tables	84 " 00
	Rubber covers	10 00
		349 25

JAMES PARTRICK. FRANKLIN S. CARTER.

Partrick & Carter,

PRACTICAL TELEGRAPHERS and ELECTRICIANS,

MANUFACTURERS OF AND DEALERS IN

TELEGRAPH and ELECTRICAL INSTRUMENTS and SUPPLIES.

No. 38 South Fourth Street,

Philadelphia, Feb 18 1876

T. A. Edison
Menlo Park N.J.

Dear Sir = Yours with check for $105 to hand many thanks = As you say you are rated good, but dont clear pay = We prize your business and will all things square = = We may call upon you for a favor one these days =

Yours
Partrick & Carter

E. C. HARRIS, J. P. HARRIS.

Office of Hoover, Harris & Co.

H. W. HOOVER, G. W. HOOVER.

Manufacturers of and Dealers in

White Oak, White Pine, and Hemlock Mill Timber, Boards, Plank, Shingles, Pickets, Lath, Scantling, Joists, White Pine and Hemlock Flooring, Weather Boarding, Doors, Frames, Sash, &c.

Phillipsburg, Centre Co., Pa., April 19 1876

Thos A Edison

Dear Sir.

Your favor enclosing check for, 134.29 &c^c - and placed to your Credit in full of a/c

Awaiting your further commands we remain Yours &c

Hoover, Harris & Co

We are better prepared for filling orders promptly, now than we ever were - and if we have been tardy in the past will endeavor to fill orders promptly

William Orton,
President.

Executive Office.
Western Union Telegraph Company.
New York, April 24 1876

T. A. Edison is hereby authorized to take up and use "a dozen or more old P. and A. poles which run along the turnpike at" Menlo Park. "Many of them lay upon the ground, having fallen in the road". It is an abandoned line and has no wire. No charge is to be made for the poles".

Wm. Orton

Automatic Telegraph Company,
E. H. JOHNSON, General Manager.
80 Broadway, New York.

New York, April 26 1870.

My Dear Edison

I've been thinking a good deal about the Segar - and in order to get a general judgment on it - have mentioned it to a good many people - Everybody says 'Capital' - not found the dissenting voice = and this all accords Exactly with my conclusion Everytime I think about it = At all Events whether ~~it~~ it shall immediately become popular or not - If I had it in time to place in the Centennial & on sale in this City - by Opening day - Enough could be made out of it - simply viewing it as a novelty, to net you & I a good round sum this summer It's a thing which could be well handled at such a Show as this = I am all warmed up for it & am therefore impatient of

Automatic Telegraph Company,
E. H. JOHNSON, General Manager,
59 Broadway, New York.

New York, 187

Even a moments delay in getting it in shape - I am of course back in my usual luck in having to go away on the Eve. of having some thing of a personal nature to give my attention to - But I will be back within 10 days - perhaps Eve this week is out. Then I'm coming to Menlo - to help you through with it - If indeed you dont have it Complete by that time -

I feel as if at last I was in a fair way to make something - & I never needed it more - and am in a great hurry to get at it. I have thought of a number of points in which this will excell the Pipe & of none in which it is inferior to it - & only very few in which the Egg could be superior (all of which however are offset by the one element of cost)

Automatic Telegraph Company,
E. H. JOHNSON, General Manager.
80 Broadway, New York.

New York, ... 187

3

In this - the smoker has during the Entire "Smoke" - What in the Pipe he Call has on the 1st lighting - that is the Cool unmoistened Whiff Which Carries with it the flavor of the Tobacco he smokes - Making the smoking of 1st Class Tobacco a reality in Everyway - in a pipe after a few Whiffs. You may as Well have 3d Tobacco as 50 -

In this - The fire is always Equal in body - never gets any nearer the mouth - Nor down into the nicotine - Nor increases in Bulk by igniting a larger Body of Tobacco, nor in intensity by heating the ~~[illegible]~~ which Composes the ~~[illegible]~~ Body of the Pipe -

The mouth Piece - Alone can become Strong - then make it any

Automatic Telegraph Company,
E. M. JOHNSON, General Manager,
80 Broadway, New York.

New York, ... 187

Dear

Cheap - unscrew it & throw it away retaining the Barrel & spring &c - The barrel - being open at both Ends may be swabbed out like a Rifle - & Duadversary may Even have theirs made with a Belgium brick & mirror polish inside -

Make the spring so when pushed back it will lock - so as to permit of the handy & Easy filling of the barrel - then lock the barrel by the End Cap - & set the spring free -

Get this up - & let me have an ample supply - Come & pay me a Visit - & I'll guarantee to show the money for one days sale on the Eve of the 10th of May - of 1000 of "Edisons Perpetual Pegan" -

Don't lose any time in order simply to imitate the appearance

Automatic Telegraph Company,
E. H. JOHNSON, General Manager,
20 Broadway, New York.

New York, 187

H.

of a Segar – Let that Come in Good time – my Idea is that a Nicely Gotten up & Elaborated Amusement will be even more popular than an imitation of a Segar – it Certainly will immediately sell as a novelty – I propose to sell Tobacco – Tobacco Pouches &c – in Connection with it –

If I was in the Country today I'd Whittle one out of a Piece of Alder Bush As it is I'm not at all sure I won't improvise one from a piece of Old Driving Pipe as soon as I reach that Country

Yours Once more Enthusiastic E.H.

Gold & Stock Telegraph Company,
Western Union Building.

Marshall Lefferts, President.
Henry W. Ward, Secy & Treas.

New York 20. April 1876.

T. A. Edison Esq
Menlo Park.

Chem. Laboratory - and
Science investigating Department
of Spiritual and Material Matter.
Electro Motive force 1 × u + 5 ÷ a.P.
= W.U. consolidated —

You will have to come over
and see me. so as to close up
small matters. I am prepared to
talk about your Salary for next
five years —
Close Pen matter.
Don't notify Western. until I see
you.

Yours
M. Leggett.

Second-Hand
MACHINERY
Department.

A Large Assortment
Constantly on Hand.

ESTABLISHED 1855.

OFFICE OF

George Place,

Successor to Chas. Place & Co.,

121 CHAMBERS & 103 READE STREETS,

P. O. Box 4499.

New York, May 2 1876

Mr Thos A Edison
Menlo Park N J

Dear Sir

Yours of yesterday at hand and sorry the milling machs are incomplete please send the missing parts at once as I do not wish to ship incomplete machs to my customer & a further delay may cause him to countermand the order.

As to the face milling you know that they are unsaleable & should certainly advise you to allow me to accept the offer I have my $100 to get it sold & I will be satisfied with 10 as my profit, thus netting you 90 what do you say about it.

You do not advise me as to the Electric Pen, let me hear from you rotlings

Yours truly
George Place

Second-Hand
MACHINERY
Department.

A Large Assortment
Constantly on Hand.

ESTABLISHED 1855.

OFFICE OF

George Place,

Successor to Chas. Place & Co.,

121 CHAMBERS & 109 READE STREETS,

P. O. Box 4499.

New York, May 2 1876

Mr Tho A Edison
Menlo Park N.J.

Dear Sir

The Milling Mchs have arrived here in a very damaged condition one leg broken on one Mch & several parts in attny I should like to have you come here as early as possible to adjust the matter

I went to the R.R.Co to see whether I could help you by trying to straighten out the matter with them, but you know Railroads are hard people to collect from, the agent however promised to report the matter & see what could be done the main cause of the breakage was that you did not skid the Mchs, thus rendering handling difficult & dangerous

Yours Truly
George Place

Freight charges $15.

Newark May 9th 1896

T A Edison Esq

Dear Sir

We herewith enclose you our bill of Five $\frac{00}{100}$ dollars also W & B Cook bill of repairs at the factory. of One hundred and ten $\frac{00}{100}$ dollars. The bill is for damages to the building, Broken stairs flooring, glass & etc a remittance of same at your earliest convenience will oblige

Yours Very Respectfully

W & B Cook Co

[ENCLOSURE]

Newark, N. J., _____ 187

Mr T. A. Edison

To WM. H. KIRK & CO., Dr.

BUILDERS.

SPECIAL ATTENTION GIVEN TO

HARDWOOD DOORS AND INTERIOR TRIMMINGS,

Jobbing Promptly Attended to.

No. 236 Market Street.

SAWING, PLANING, WOOD TURNING, Mouldings, &c. SASHES, BLINDS & DOORS. MADE TO ORDER.

W. H. KIRK, W. A. KIRK, H. H. KIRK.

To W H Kirk & Co Bill	5	04
" Water Bill	10	50
" W H Kirk Bill Repairs & Factory	110	8
	126	34

Newark, N. J., May 1st 1876

Mr T. A. Edison

To WM. H. KIRK & CO., Dr.

BUILDERS.

SPECIAL ATTENTION GIVEN TO

HARDWOOD DOORS AND INTERIOR TRIMMINGS,

Jobbing Promptly Attended to.

No. 236 Market Street.

SAWING, PLANING, WOOD TURNING, Mouldings, &c. SASHES, BLINDS & DOORS. MADE TO ORDER.

W. H. KIRK, W. A. KIRK, H. H. KIRK.

July	3	To 7 Hours shifting boys for your convenience to get out racks				2 27
Aug	14	Cash paid your note	326	03		
Sept	4	By your renewed note	324	48	due	1 55
Oct	19	4 pl Walnut 12				48
		5 " White wood 6				30
Jan	14	4 " Walnut 11c				44
						5 04

[ENCLOSURE]

Newark, N. J. May 1st 1876

Mr T A Edison

To WM. H. KIRK [redacted], Dr.

SAWING, PLANING, WOOD TURNING, Mouldings, &c. SASHES, BLINDS & DOORS, MADE TO ORDER.

W. H. KIRK, H. JARRIER, H. H. KIRK.

BUILDERS,

SPECIAL ATTENTION GIVEN TO

HARDWOOD DOORS AND INTERIOR TRIMMINGS,

Jobbing Promptly attended to.

No. 286 Market Street.

To 422 ft of Double partition @ 14c	59	08	
52 " " Single do 9c	4	68	
20 Lt Glass 12x18 @ 16c	3	20	
2 " " 24x34 " 82c	1	64	
1 " " 22x34		82	
4 " " 18x32 " 54c	2	16	
3 " " 18x28 " 43c	1	29	
29 " " 9x14 " 7c	2	03	
17 " " 10x14 " 8c	1	36	
2 " " 10x16 " 10c		20	
2 " " 22x26 " 43		86	
3 " 10x18 " 11		33	
2 " 18x36 54c	1	08	
11 lb Putty 6c		66	
92½ Hours work & Repairs @ 30	27	75	
1 Pr Butts 20c Screws 4		24	
13 lb Nails 65c 8 ft Pine 32		97	
5 Yards floor plank used in hall 24c	1	20	
3 Ceiling Boards 20c		60	
1 - 9 in Bolt for Cellar door		30	
1 Key 88c 1 Large Key 100	1	88	
2 - Bolts & Screws for Door 50	1	00	
2 Dz Screws 10c 1 Foot Bolt 40c		50	
2 Lock Nails 30c 7 New Keys 200	2	30	
1 Chain Bolt 25c Sawing 20c		45	
3 Spruce plank 28	1	68	
3 Window fastenings 20		60	
1 New timber 3x4 - 5 ft		31	
6 Wide 1½ Spruce plank 28c	1	68	
3 Ceiling Boards 38	1	14	
136 ft yellow pine for Steps 5c	6	80	128 78
By 440 ft Spruce timber @ $18 M	7	92	
" 2 Pulleys			14 92
			$110 86

My dear Sir: [May 10, 1876]

I am obliged to go to Albany to-day, shall return tomorrow - Please write me when and where I may see you to arrange matters, if Mr Edison decides favorably, to oblige

Yours truly Chas L. True

WILLIAMS & PLUM,
STATIONERS, BINDERS & PRINTERS,
NEWARK, N. J.

May 17. 1876

Mr Chas Batchelor
Dear Sir

~~We~~ send your order No "51" & "33" & thanks paid today, we can sell you Foolscap & Legal size for 3.50 per Ream. Instruction in did not be over a little grade, although we will know what is good

Yours,

Enclosed our bills for the Paper sent.

Respt
Williams & Plum

91 Liberty St
New York
June 3/76.

T. A. Edison Esq
Dear Sir. —

In response to your Batchelor's letter asking for acct of Edison & Murray's I can only say that it has stood too long already and still I cannot send you the amount this week but hope to be able to do so very soon —

I remain
Truly Yours
W. B. Edson

P.S. Do you not use steam? If so why not take one of my Recorders for your office? at wholesale price W.B.E.

Jersey City June 15 1876

Mister Edison Esq

Dear sir

Mister. J. Merchew requst
Desires me to tender you a bill for the
old telegraph poles you take that was sold to
Mister Runyon at yonniontown

Mister Edison Esq June 15 1876
Menlopark. N. J

Dated to. W. U. Telegraph Co
For 65 old telegraph poles between ontwill &
Menlopark on the Pike Road
At fifteen cents apes $9.75

yours Resp Joseph Cook Foreman W.U. Tel. Co

MELLEN BRAY & CO.
MANUFACTURERS OF
SEAMLESS TIN BOXES.
SHEET METAL STAMPING OF ALL KINDS.
No. 149 PEARL STREET.

BOSTON, June 30. 1876

T. A. Edison Esq
Dear Sir
The first six months interest on your mortgage became due yesterday — As I know of no business calling me your way for some days, I will thank you to send to me here by check payable to my order — the amount $100 — I will forward receipt immediately on receipt of check

Yours Truly
Geo Goodyear

Ck 101 $6
Rec'd July 6
1876

MELLEN BRAY, Sec. & Treas.
No. 149 Pearl Street.

MANUFACTORY,
149 Pearl Street.

The Tubular Rivet Company,
MANUFACTURERS OF
Patent Rivets for Boots, Shoes, Brogans,
BLANKETS, SHAWL STRAPS, &c.

Boston, July 8. 1876

Thos. A. Edison
Dear Sir
I have to acknowledge the Receipt of your Check on the Mechanics National Bank, Newark N. J. for $105 in full for Six Months interest on your Bond of Dec. 29/75 for the Sum of Three Thousand Dollars

Yours
Geo Goodyear

Philipsburg Pa August 5/76

Dear Sir
Your letter of the 5th inst to hand conveying check for $300 — dollars on A/C with thanks. Yours truly
Howe Manuel

PENNSYLVANIA RAIL ROAD COMPANY.

_____ Station,

_____ 187

Mellichen July 8th 1876

Mr Thos A Edison

Dear Sir

Yours containing check for Two Hundred dollars is received, accept thanks. I enclose corrected Bill, The Pickets was to be as you state 82 50. on ack of the large quantity, I found my Book Keeper entered them at regular price 1 25 ~~I enclose corrected bill~~. As to the Hemlock Pickets there is frequently one among all, Pine ones, but I did not know there was any in Yours, I will call and see you next week and if there is any considerable number of them I will endeavor to make it satisfactory to you

Yours truly

Manning Freeman

Menlo Park Aug 3

Messrs Hoover Hand Co

Gents

Please send me a bill of balance due you and oblige,

Yours

T. A. Edison

June 1/. To Bill Rec'd 395.82

July 5 By Cash 3

98.82 Balance

Please let know what balance

Balance 20

Aug 5 1916

Recd Philadelphia Pa Aug 10 1916

Ninety Eight 5/100 Dollars in full acct

Hoover Harris & Co

Menlo Park Aug 4 1876

Received of Thos A Edison Check to the order of J N Windel for two hundred dollars being payment in full for lot No 2 in block C at this place.

Mary M

[ATTACHMENT]

WARRANTY DEED.

(1876) Morris Park Deed.

W. Reid Gould, Law Blank-Publisher and Stationer, 158 Nassau St., N. Y.

This Indenture,

made the First day of May in the year of our Lord one thousand eight hundred and Seventy Six

BETWEEN

Kings Langan

of the city of Elizabeth in the County of Union and State of New Jersey of the First Part: And

Charles Johnson

of the city of Jersey City in the County of Hudson and State of New Jersey of the Second Part:

Witnesseth, That the said party of the First Part, for and in consideration of

Two Hundred Dollars

lawful money of the United States of America, to him in hand well and truly paid by the said party of the Second Part, at and before the ensealing and delivery of these presents, the receipt whereof is hereby acknowledged, and the said party of the First Part therewith fully satisfied, contented and paid, has granted, bargained, sold, aliened, released, enfeoffed, conveyed and confirmed, and by these presents do grant, bargain, sell, alien, release, enfeoff, convey and confirm, to the said party of the Second Part, and to his Heirs and Assigns forever, All that certain lot piece or parcel of land and premises, hereinafter particularly described, situate, lying and being in the Township of Woodbridge in the County of Middlesex and State of New Jersey

being lot known and marked as and for lot number two (2) in Block 6, on a map of the Morris Park Homestead Association on New Jersey Rail Road and Transportation Co., which map is on file in Middlesex County Clerk's office at New Brunswick, New Jersey. Said lot is fifty feet wide in front and rear and lies on the South-Easterly side of Monmouth Avenue, as laid down on said map, and extends back back of uniform width, for a distance of one hundred

[ATTACHMENT]

and fifty feet.

Provided always, and this conveyance is made upon the express condition that no nuisance of any nature or kind whatsoever shall be placed, maintained, allowed or suffered upon any part of the premises hereby conveyed; and provided further that no building shall be erected upon any part of the said premises fronting on said Monumental Avenue other than a dwelling to cost not less than two thousand dollars, not intending hereby to restrict or prevent the erection in the rear of any dwelling that may be placed upon the said premises of any building other than a dwelling.

Together with all and singular the houses, buildings, trees, ways, waters, profits, privileges and advantages, with the appurtenances to the same belonging or in any wise appertaining. Also, all the estate, right, title, interest, property, claim and demand whatsoever, of the said party of the First Part, of, in and to the same, and of, in and to every part and parcel thereof: To have and to hold all and singular the above described tract or parcel of land and premises with the appurtenances, unto the said party of the Second Part, his Heirs and Assigns, to the only proper use, benefit and behoof of the said party of the Second Part his Heirs and Assigns, forever; and the said

George Goodyear

do hereby covenant, his Heirs, Executors and Administrators, covenant and grant to and with the said party of the Second Part, his Heirs and Assigns, that he the said

George Goodyear is

the true, lawful and right owner of all and singular the above described land and premises, and of every part and parcel thereof, with the appurtenances thereunto belonging; and that the said land and premises, or any part thereof, at the time of the sealing and delivery of these presents, are not encumbered by any mortgage, judgment or limitation, or by any incumbrance whatsoever, by which the title of the said party of the Second Part, hereby made, or intended to be made for the above described land and premises, can or may be changed, charged, altered or defeated in any way whatsoever:

and also, that the said party of the First Part now has good right, full power, and lawful authority to grant, bargain, sell and convey the said land and premises in manner aforesaid. And also that he the said George Goodyear, and his heirs

will Warrant, secure and forever defend the said land and premises unto the said

Charles Johnson his

Heirs and Assigns, forever against the lawful claims and demands of all and every person or persons freely and clearly freed and discharged of and from all manner of incumbrances whatsoever.

In Witness whereof, the said Party of the first part hath hereunto set his hand and seal the day and year first above written.

SIGNED, SEALED AND DELIVERED IN THE PRESENCE OF

Benjn Ogden

Geo Goodyear

STATE OF NEW JERSEY, County. } ss. **Be it Remembered**, That on this Second day of May in the year one thousand eight hundred and Seventy Two before me, a Commissioner of Deeds in and for said County

personally appeared George Sedgwick

who I am satisfied is the grantee in the within Deed of Conveyance named; and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed and delivered the same as his voluntary act and deed, for the uses and purposes therein expressed.

Benjn Ogden Comm.

And the said being by me privately examined, separate and apart from said husband, did further acknowledge that signed, sealed and delivered the same as voluntary act and deed, FREELY, without any fear, threats or compulsion of said husband

June 3-1874 10^m
1to 0^d

Warranty Deed.

George Sedgwick
to
Charles Johnson

Received in the Clerks Office of the County of Monmouth on the 3rd day of June A.D. 1874 and Recorded in Deed Book 147 of Deeds for said County on pages 446 &c.

Office of Clerk
Clerk.

Lot 1 Block 1 Map of Lots belonging to Chas. Johnson Lots 1 & 2 Block 1 Map of Lots belonging to Chas. Johnson Co. Map

[ATTACHMENT]

N.Y. Aug 19 1876

Mr T. A. Edison

Dear Sir:

We can only spare 1/4 Metallic Tellurium at $30 per ℔

Respt Yours
Ennis and Ainsworth
per

Received Aug 19 1876

From

R. H. ROCHESTER,

TREASURER.

New York, Aug 28 1876

To Hon William Orton
President

Payments to Mr T. A. Edison as follows:

in November 1875		400.
" December	"	800.
" January 1876		600.
" February	"	400.
		$2200.

Respy
R H Rochester
Tr

76

T. A. Edison in Account with Kirk & Co

Apr	1	To acct rendered				133	98
	12	1 hr work 40c 2 ft Walnut 15 30		70			
		1 hr work at strips		40		1	10
		1 Bbl sawdust 25c 3 ft Walnut 15 45					70
	19	1/4 days work 94c 3 ft Walnut 15 45				1	47
	26	10 ft Pine planed 6c					60
May	17	2 strips					30
June	28	4 hours work @ 38c	1	52			
		3 ft Walnut 15c		45		1	97
July	12	1/2 days work 1.50 2 ft Walnut 15 30	2	18			
		2 Bbl saw dust 25c		50		2	68
	26	1 hr work 40c 3 ft walnut 15 45					85
Aug	9	1 Bbl saw dust					28
	23	7 1/4 Days work @ 3.75	27	19			
		30 ft Pine 5c 3 Doz screw 10 30	2	10			
		6 Marker Board .42	2	52			
		14 do do 24c	3	36			
		1 Lock 3.10 12 lb Nail .8 96	4	06		39	23
	30	4 1/4 Days work @ 3.75	15	94			
		6 lb Nail .8 48 5 Doz screw .35		83			
		2 Bbls saw dust 25c		50		17	27
		20 Brass pulls @ 60c Doz				1	00
Sept	6	1 Hour work 38 Sawing 1.25	1	63			
		12 ft Pine planed 6c		72		9	31
		By Note Two months from Aug 12th				210	71
		Kirk & Co				210	71

Letters

Society of Telegraph Engineers
4 Broad Sanctuary
London.
25 September 1876

My dear Sir.

I am much obliged for your letter of the 1st and the extract from the Scientific American, which should insert in our Journal. The Electromotograph seems a wonderful thing and I should be very glad of a drawing.

If you would kindly write me a short and interesting account of your

---

RARITAN TOWNSHIP.

Raritan Township, October 1, 1876.

Mr. Thos. A. Edison

Taxes are now due, and if not paid to me before the first day of December next, the delinquents will be returned, and interest at the rate of 12 per cent. will be charged on the same in accordance with the Law of this State.

The Commissioners of Appeal in cases of Taxation will meet at Robins' Hall, at Metuchen, on the Fourth Tuesday of November coming, at 10 o'clock, A. M.

I will receive Taxes, November 20th, at New-Durham, from 9 A. M. to 12 M.; same day, at the Store at Menlo Park, from 3 to 4 P. M.; November 21, T. Ayres's Store, from 10 to 11 A. M.; same day, of L. J. Tappen's, from 12 to 2 P. M.; November 22, at Stelton, from 9 to 11 A. M.; same day, Moore's Hotel, New-Brunswick, from 3 to 4 P. M.; November 24th, at Store at Plainfield, from 10 to 11 A. M.; November 25, at Home Pomeroy School House, from 10 A. M. to 12 M.; same day, at Oak Tree School House, from 1 to 2 P. M.; November 28th, at Robbin's Hall, with Commissioners of Appeal; November 29th and 30th, at my office, opposite Depot, at Metuchen, from 8 A. M. to 12 M., and from 1 to 4 P. M.

CHARLES C. CAMPBELL, Collector.

REMEMBER TO CALL AND SETTLE YOUR TAXES.

REAL ESTATE,	2500
PERSONAL PROPERTY...	
TOTAL,	
REDUCTION,	
NET	

Per Centage, $1.30 per $100.
Special School Tax, extra...

YOUR TAXES FOR THE YEAR 1876 ARE AS FOLLOWS:

Poll,	$ 1.00
State,	3.00
County,	15.00
Township,	3.00
School,	4.50
Poor,	2.50
Road,	4.50
Special School,	
Dog,	
Amount,	$ 33.50
Less Road Receipt,	
Interest and Costs,	2.91
	$36.41

May 27/77.

Received Payment, May 27/77

Charles C. Campbell Collector.

Office of Collector, near Depot at Metuchen, N. J. Post Office Box No. 222

Goodnight, if accompanied
by a drawing, I should be
very glad to give it
insertion. We are always
glad to receive original
communications.

Hoping to hear
of your soon joining the
Society which is steadily
increasing.

Yours faithfully
Geo. B. Preece

RARITAN TOWNSHIP.

Raritan Township, October 1, 1876.

Mr. Thos. A. Edderson

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CHARLES C. CAMPBELL, *Collector.*

REMEMBER TO CALL AND SETTLE YOUR TAXES.

REAL ESTATE,	1500
PERSONAL PROPERTY	5000
TOTAL,	6500
REDUCTION,	
NET	
Per Centage, $1.30 per $100. Special School Tax, extra.	

YOUR TAXES FOR THE YEAR 1876 ARE AS FOLLOWS:

Poll,	$
State,	7.80
County,	39.00
Township,	7.80
School,	11.70
Poor,	6.50
Road,	11.70
Special School,	
Dog,	
Amount,	$ 84.50
Less Road Receipt,	
Interest and Costs,	6.73
	$ 91.23

Received Payment, May 27/77

Charles C. Campbell, *Collector.*

Office of Collector, near Depot at Metuchen, N. J. Post Office Box No. 292

E. C. BEMIS,
J. P. HARRIS.

G. W. HOOVER,
W. V. HUGHES.

Office of Hoover, Harris & Co.,

Manufacturers of and Dealers in all kinds of

Planing Mill Work, and White Oak, White Pine, and Hemlock Bill Timber,

Philipsburg, Centre Co., Pa. October 18 1876

Thos Edison

Dear Sir

Mr Hussey informs you have had some lumber of us through him at Menlo Park. He has not time to make up the acct, so he says would you please to send us a statement of the amt. at your earliest Convenience

Yours truly
Hoover Harris

Table
Planing
Tongue & groove
Lumber
Lumber

The Direct United States Cable Company, Limited.

16 Broad Street

New York 26 Oct 1876

My dear Sir.

Mr. C. W. Siemens is here or rather he has now gone to Philadelphia. I mentioned the matter of making him acquainted with you & your inventions he replied that he should be glad to do so. I will try and arrange a day for a visit to you if he has the time, it will probably be about the 12th or 13th in next month, if that is

Newark
Nov 26. 76

agreeable to you of course. I have spoken to Reiff and he will probably tell you.

I suppose you have seen Thomson's speech before the B.A. if not it is in "Nature" which perhaps you take.

Yours very truly.
Geo Ward

If Siemens comes & sees you. I hope you will give him a good show!!

T. A. Edison Esq

10 Broad St
Nwk

Dear Edison.

I got your note all right. Siemens expects to return to NY on or about the 10th. When I have no doubt he will avail himself of inspecting your many interesting objects. I understand Preece and Fischer are not likely to come out before the spring. I know the latter very well indeed and I shall not fail to let them know of your institution. I intended doing this if you had not mentioned it. I dare say I shall see something of them.

I shall try & come with Siemens.

In haste. Yours. Truly.

E Ward

If not called for in 10 days, return to

T. A. EDISON,
MENLO PARK,
N. J.

Bowes

A S Bowes
Dec 4th 1896

OFFICE OF THE

Western Union Telegraph Company,

Dec 1897

Mr Edison
Hope to get a
Lunch with you
today & perhaps
when you know
my situation you
can advise me
where & when
can I see you

A S Bowes

T. A. E.

Can you fix me? Shall be in bad shape if not

Ads

I am waiting in Gerritt Smith's room

Room No. 118

Department of the Interior,

U. S. PATENT OFFICE,

Washington, D. C., Dec 8th, 1876.

Friend Edison

I heard some time since that you had a large collection of views for Magic Lanterns or Stereopticons. If this is so could I borrow a few, say enough for an evenings show to the children, from you?

I would take good care of them and return them by express, What I'd prefer would be views of Cities and noted places and buildings and statuary. Have a Magic Sciopticon, good coal oil argand burner etc, model filed here, Have no views and am too poor to buy any.

Very Truly Yours

Z. F. Miller

ADAMS EXPRESS COMPANY,

GREAT EASTERN, WESTERN AND SOUTHERN EXPRESS FORWARDERS.

No. 181 New York, Dec 11 1864

$110

Received from W A Cohen

one Package

Sealed and said to contain

One Package Note

Address(d) W A Dunlap Washington D C

Upon the special acceptance and agreement that this Company is to forward the above to its agent nearest or most convenient to destination only, and there to deliver the same to other parties in complete and transmissible condition, or at its option to terminate all liability of this Company for such packages; and also, that this Company are not to be liable to any person or persons acting or claiming to act in any military or civil capacity in hostility to the government of the United States, or occasioned by civil or military authorities, or by the enemies of the United States, or occasioned by the dangers incident to a time of war, use which occasioned by the dangers incident to a time of war, use which occasioned by the dangers incident to a time of war, or by fire, or steam, unless specially insured by this Company; and also, that this Company are not to be liable for a greater sum than that above mentioned, nor shall it be liable for any such loss unless the claim therefor shall be made in writing, at this office, within three days from the date, in a case of non-delivery, and a receipt shall be annexed, and the shipper and owner hereby severally agree that all the stipulations and conditions in this receipt contained shall extend to, and enure to the benefit of, each successive Company, or agent, to whom the Adams Express Company may entrust or deliver the above-described property for transportation, and shall define and limit the liability thereof or such other Company or person.

For the Company

Freight.

Insured by ADAMS EXPRESS COMPANY,

for _____ only.

to _____

For the Company.

Insurance, $

Mr Albaugh

New York 15 Dec 76

My Dear Edison

Referring to our conversation of a few days since when I suggested to you the idea of your devising some means of detecting sewer gas in the atmosphere of dwelling or other rooms, and thus preventing an enormous percentage of illness derived from such an insidious enemy and which you said [illegible] no doubt of being able to accomplish [illegible] referring to that interview I now wish to repeat what I then said that in my opinion you would render a lasting and inestimable service to the whole civilized world comprising a pretty large proportion of ~~[illegible]~~ existing civilization.

The subject is at this moment brought particularly home to me by the fact that I have recently by several times detected the presence of abomina

[Left margin, written vertically:] written [illegible] the [illegible]

Either odor in my bed room & trace them immediately to the back stand drain pipe & get & can never get anybody to the spot in time to corroborate my statement consequently my land lord relying on plumbers & the perfect does nothing in the premises & I am obliged for the sake of safety to keep mats standing in the doors. and get sometimes upon letting it out & get a puff of the sewer air unimaginable — a poison which must impregnate the room unless the air is completely changed. and then is the health of my family in jeopardy.

There is a great fuss for you to come through to me the agent of Henry Paul Esq. great issues are the main do it & be blessed

Yours &c
T. W. Coleman Esq

T. W. Coleman

Dec 20th 1876

A/C Financial Office

Z. Edison Murray Dr.

Nov 20th 1874.

Z 2 Stock Printers at $400		$800.00
Z 1 Transmitter		75.00
Z 1 Key		7.00
Z 2 Paper reels	50¢	1.00
Z 10 Rolls paper	10¢	1.00
Z 1 Bottle Ink		.50
Case & packing		1.50
		886
25 p c off		71.50
		814.50
Sold at 70c per ~~25 years~~ month		31.28

814.50
12/10.41.50
$1325.12 per month
6.20 63
51.28 00

67
19
75
91
76
328 hours

328
33 1/3
984
9849
109.33

Cash N+P + expenses 130
25
155

1 Model Water telephone 8.00

Sept.

23 49
26 hrs at 33 1/3

3|49
16.33 1/3
147
1476
33

6 Station 6. 36
12 " 6 72
2 Calls 350
Sheet cork. 39¢
Casting 213.

1633

211 =
81
18
3|310
$103.33.

12 set 6 72
22 Cas 175 38.00
88 14 96

$1 Cash
00
Iron 35¢

133 =
160
3|292
97.33

175 88
350 616
350 88
3850 1496

4 23.33
6 11 12 83/4 .62
97
12 5 83
12 5 7/83
85450
3|319 1283
3|310 106.33 1/3

Feb 1st Cash $1 45
519 Little .55
.33
Ice house .22
Filling fountain 4.00
Express .50

Cash $3 $6
" alcohol etc 2 40
185
112
3|297
99.

Menlo Park N.J. Dec 21 1876

Received of T A Edison twenty five dollars in a Call loan for which I have deposited with him fifty shares of the stock of the American Novelty Co as Collateral security

E K Adkison

Company.

ND SHARES.

of Shares, 50

Thum

7 in the

hares of the Stock of

Deed of Trust and

Articles of Association bearing date the 28th day of Nov. 1876. The Shares are transferable only on the books of the Company, upon the surrender of the original Certificates.

New York, Dec 15 th 1876

E K Adkison — SECRETARY.

Thos A Edison — PRESIDENT.

Thomas Jay Marvellus, Stationer and Printer, 21 Ferry Street, N. Y.

The American Novelty Company.

STOCK DIVIDED INTO FIFTY THOUSAND SHARES.

No. of Certificate, 68 No. of Shares, 50

This Certifies that E. A. Johnson of New York City is the owner of Fifty Shares of the Stock of "THE AMERICAN NOVELTY COMPANY," under the Deed of Trust and Articles of Association bearing date the 25th day of Nov. 1876. The Shares are transferable only on the books of the Company, upon the surrender of the original Certificates.

New York, Dec 15th 1876

E. A. Johnson
SECRETARY.

Thos. A. Edison
PRESIDENT.

Thomas Jay Horwitz, Stationer and Printer, 21 Broad Street, N. Y.

C. L. Baldwin, Cashr. S. S. Halsey, Pres't.

Mechanics National Bank
OF NEWARK.

Newark, N.J. Sept 22 1876

T. A. Edison Esq
Dear Sir
Acheck
Inclosed for $13
Dated Sept 2 1876
came in the ordinary
and I paid it
Respectfully
Yours etc
Wm D Richards

Washington D.C.
Wednesday eve

Friend Edison

That box of wire came safely to hand yesterday. Thanks for them, I'll use them carefully and return them next week

Yours truly,
J. F. Miller

Mr Pusey

Mr. Edison told me to get three dollars of you & charge it to his account & oblige

Mrs. T. A. Edison

OFFICE OF

HOOVER, HARRIS & CO.,

PROPRIETORS OF THE
Union Steam Packing Box Manufacturing Co.
Also Manufacturers of and Wholesale Dealers in
Virginia, Carolina & Florida Yellow
Pine Flooring,
1734 North Second St.,
PHILADELPHIA.
T. R. HAMILTON, Sup't.

Manufacturers of and Dealers in
White Oak, White Pine & Hemlock
BILL TIMBER,
Flooring, Weatherboarding,
Doors, Sash, Frames, Shingles,
Lath, &c.,
PHILIPSBURG, Centre Co., Pa.

Philadelphia, _____ 1887

Gen L M Avery

Dear Sir

As the weight on the lumber must be prepaid please send to us @ Philipsburg Centre co Pa a check for $250.00 dollars by return mail & an receipt & which as there will not be any charges on it

Yours
Hoover Harris & Co

Directions Hoover, Harris & Co.
Philipsburg Centre Co.
Pa

Be sure and put the County in as there is two Philipsburgs in Pa.

Send your check forth with

Saml Edison

NEW JERSEY EXPRESS COMPANY.

$44.50 187

Received from T. A. Edison

One Package ..... Sealed and mid to contain

Hartford & S. Dodson

Addressed ..... G. S. Woolman

116 Fulton St. N.Y.

Upon the special acceptance and agreement that this Company is to forward the same to its agent nearest or most convenient to destination only, and there to deliver the same to other parties to complete the transportation—such delivery so terminates all liability of this Company for such transportation, and the liability of succeeding lines in any manner, or to any extent for any loss, damage or detention of such package, or of the contents, or of any portion thereof, occasioned by the act of God, or of any government, public enemy or rebellion to act in any military or other capacity in hostility to the government of the United States, or seizure of the property by the government, or any other act of war, or other act of public enemies, piracy or the dangers incident to a time of war, nor when occasioned by the dangers of railroad transportation, fire or other navigation, or by fire or steam, unless specially insured by this Company and so specified in this receipt. In no event is this Company to be liable for more than the value specified in this receipt, nor is any claim therefor shall be made in writing, at this office, within thirty days from the date, in a shipment to which this receipt shall be attached, and the shipper and owner hereby severally agree that all the stipulations and conditions in this receipt contained shall extend to, and enure to the benefit of, each and every person or persons, owners of the Slow Jersey Ex. Co. may entrust or deliver the above-described property for transportation, and shall define and limit the liability thereof of such other Company or persons.

Freight, ... For the Company, M. L. M. Hussey

Assented by NEW JERSEY EXPRESS CO.,

for .....

to ..... *mily.*

For the Company,

Insurance, $ .....

Price to Phelps " do WEWf 9 6

Fisebby	50		32
Prem	150		40
Blanchd.	200		200
Ne of Spooter.	125		do
38 St. "	125		do
Phly Dicc	3		175
Mulg Ma.	175		325
Longf S. Bd.	350		290
Tinkle	240		350
mtt Tiple	375		290
Lizgerm			
Grandf	290	Same	
Stiles Prin	350		365

small pock pieces 50.

Butler + Gelman	28.24	paid	
~~Gendt + Hanson~~	~~47.56~~		44.56
~~Cornish~~	~~8.94~~ ✓		8.94
			15.98
Wm H Kirk + Co	110.86		34.87
			4.81
Hover Harris Co	47.27		25.00
			25.00
Gallagher	15.98		1.67
			1.00
Wadsworth M + A	~~46.56~~		
	~~34.27~~	Extra —	
	~~34.67~~	19.15	121.83
~~Stamai~~	~~4.98~~		
Weldman	42.65		
M.A. Fraser.	~~57.24~~ 26.24		
L W Jennell	121.00		
Macknet + Wilson	1.69		23.17
Chas Walker	1.00		16.00
			47.27
~~W G Thomas Co~~	~~[illegible]~~		15.98
			19.15
~~Simas~~	~~16.00~~		121.00
			85.00
Wm th =	507.79		421.52
Check —	121.83		
	385.96		
	507.79		
Manning —			
Butcher —	2.00		
Higgins —			

(Jos Lewis Park)

3.

Fitchburg Speed Lathes $45

Small [illegible] 91 35

Pratt & Whitney Self feed 275 — no bed

2 Bolder 200

Small Screw [illegible] 225 — 250

Shafting & Pulleys 4c lb

Small Emery Wheel with Countershaft 25

Brainard Miller $125, new cost 150

Blanchard " 175.

Manhattan 4 spindle 100

Smith & Garver 3 spindle 100

Niles 250.

Speed Engine Lath 50.

Small Punch press & (ill.) [illegible] 50.

2 milling Mach 150.

Punch Press, 3 275

Wright & Smith Emery [illegible] 100.

want first 2 Fitchburg Speed Lathes
1 Screw machine
Blanchard
2 Bolders
Self & spindle drill
Brainard Miller
— Send down the Blanchard Miller with the machines

1876. Edison, T.A. - Bills and Receipts (D-76-002)

Bills, receipts.

Not selected: chits for railroad tickets.

Newark, N. J., Jan 1 1876.

Mr. T. A. Edison City.

Bought of **Jacob Hey**

Manufacturer of

Fancy Cases for Guns, Pistols, Dentists' and Surgical Instruments,

42 WARREN ST., *in the rear.*

Dec	1	To amount of statement rend			
		Acoustic boxes			
"	11	" 1 Sounding Box	3.20	X	
			.75	X	
"	17	" 17 Bone Cuts with rubber front	25.50		
"	21	" 2 Mahogany Cases	.80	X	
"	22	" 1 Cuticle Case 10 in D	1.00		
					33.25
		6.25			
		.40			
		1.00			
		6.75			

Newark, N. J., Jan 3rd 1876

Mr. T. A. Edison

MECHANICAL DRAWING,
Experimental Machinery,
MILLWRIGHT WORK
And General Jobbing.

TERMS—CASH.

To GEO. A. BYLES, Dr.

PATTERN AND MODEL MAKER,

ON N. J. R. R. AVENUE.

To amt rec'd rendered		22 60

95

STATEMENT.

New York, January 4th 1876

Mr Edison & Co.

In account with **M. LUKANITSCH,**

Importer of French and Swiss

SUPERIOR FILES AND TOOLS,

Terms Cash. 351 BROOME ST., near Bowery.

		GOLD.	CURRENCY.
Nov 2	To Merchandise,		7.05
Dec 4	" "		38.96
			$46.01

It would be a great favor if you would Remit on your receipt of this Statement, or if not objectionable to draw on you after 3 days, and hope you will Accept.

Terms Cash.

NEWARK, N. J. Jany 4th 1876

Mr Thos A. Edison

Mr D. M. Meeker & Son, Dr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 3 3/8 th Comp Castings	45		1 63
Acoustic B.			

1876

Mr A Edison 104 & 12 Ward St Newark N.J.

Bot of Wm Elliott 53 Fulton St N.Y.

Jan 7 53	2 feet of 3 in Brass Tubes	$4.80
	2 feet of 2 in do do	3.60
	2 feet " 1½ do do	2.40
	37 cts left on last acc	$1.37
	and Charges	11.17
		.50
		$11.67

E. H. D.

Recd Payment

Wm Elliott

New-York, Jan 6th 1876.

Mr. Edison

To ROHRBECK & GOEBELER,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

Chemical Apparatus, Chemicals, &c., &c.

No. 4 MURRAY ST., near Broadway.

	Aluminium	$2.00	

Received Payment

Rohrbeck & Goebeler

J. W. P.

Menlo Park Jan 7th 1876

Rec of Samuel A Edison $18.00 for 4 days work with man and team.

Fredric Thornall

Terms Cash.

NEWARK, N. J. Jan 11th 1876

Mr Thos. A. Edison

To D. M. Meeker & Son, Dr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 14th Comp. Rollers @ 40		5 60
Received payment		
D B		

COAL AND WOOD.

LEHIGH,
Locust Mountain,
PEACH ORCHARD,
CUMBERLAND,
LIVERPOOL, ORRELL AND CANNEL,
AND ALL OTHER KINDS OF
Anthracite and Bituminous
COAL.

FIRE BRICKS.

New York, 1 Mo. 11 1876.

M C Miller

Bought of SAMUEL THOMPSON'S NEPHEW,

No. 43 Gold Street, and Cor. Rivington and Suffolk Streets, N. Y.
Cor. Columbia Heights and Doughty Street, Brooklyn.

1/2 Bbl RC Pea Coal 4

Received Payment, for SAMUEL THOMPSON'S NEPHEW. M C Miller

Newark Jany 14 1876.

Received of Thos A Edison Two hundred dollars for account of Rent of building 10 & 12 Ward street

$200 00

W M Dirk
Pres

Gilliland 10 00
Jennett 7 75
Bard 100 00

Newark Jany 15 1876

Received of Thos A Edison Ten $10. on account.

Jacob Hey
for Mrs

A COMPLETE STOCK OF
Champagne Wines,
Fine Sherries, Old Port,
OTARD & HENNESSEY BRANDIES.
SUPERIOR OLD
Bourbon & Rye Whiskies,
—ALSO—
CHOICE BRANDS
—OF—
IMPORTED SEGARS.

SAMUEL ATWATER,
FRED. A. CARTER.

NEWARK, N. J., Jan 15 1876

Mr Thos. A. Edison

Bought of ATWATER & CARTER,

DEALERS IN

CHOICE FAMILY GROCERIES, FINE TEAS, WINES and LIQUORS,

TEA & COFFEE MARKET, No. 728 BROAD ST.

Groceries as per bill rendered to Jan 1/76	88	65

Recd Pay
Atwater & Carter

Terms Cash.

NEWARK, N. J., Jan 17th 1876

Mr Thos. A. Edison

Dr. D. M. Meeker & Son, Dr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 12 5/8 lbs Comp Plates 1c 45	5	68	
" 51 lbs Brass Bases 5	2	55	$8 23

Acoustic
OK

SHIPPING NOTICE.

Philipsburg, Centre Co., Pa., Jany 17 1876

Mr T A Edison

Menlo Park N.J.

Dear Sir:—We have this day forwarded to Penn'a R. R. Co., Care of T A Edison at Menlo Park

Station. N.J.

Car No. 6880 Inroice No. 1 Order No. —

✓ 23	pcs	Hemlock	2 × 10" × 24'
✓ 42	"	"	2 × 12 × 24'
✓ 43	"	"	2 × 8 × 24'
✓ 73	"	"	2 × 5 × 16'
✓ 41	"	"	2 × 4 × 22'
✓ 78	"	"	2 × 4 × 13'

The ballance of bill will follow right along — We were detained two day — on account of very high winds & consequently the men cannot work —

Take care of this & shall want it

Respectfully. Edison

HOOVER, HARRIS & CO.

SHIPPING NOTICE.

Philipsburg, Centre Co., Pa., Jany 15 1876

Mr T A Edison

Menlo Park

Dear Sir:—We have this day forwarded to Penn'a R. R. Co., Care of T A Edison at Menlo Park

Station.

Car No. 5517 / 14860. Inroice No. 2 Order No. —

✓ 6606	Ft	Hemlock Edgeingboards	
✓ 32000	No 1 18"	Shingles	
✓ 4	pcs.	Hemlock	4 × 8" × 34ft'
✓ 39	"	"	2 × 10 × 24'
✓ 21	"	"	2 × 12 × 24'
✓ 16	"	"	2 × 8 × 24'
✓ 2	"	"	3 × 12 × 24
✓ 10	"	"	2 × 5 × 16
✓ 34	"	"	2 × 4 × 22
✓ 38	"	"	2 × 4 × 13

Respectfully.

HOOVER, HARRIS & CO.

Leather and Rubber Belting.
Steam, Gas and Water Pipe,
Brass and Iron Fittings,
Steam and Steam Packing.
Oil Cups and Lubricators,
Portable Forges, &c.

AGENTS FOR

Morse Twist Drills and Reamers,
N. Y. Tap and Die Co's Goods
Worcester Machine Screws,
Phila. Machine Bolts & Washers,
Benjamin's Feed Water Heaters,
Sturtevant's Blowers and Fans,
Wellington Mills Emery,
Cold Rolled Shafting,
Pickering's Engine Governor,
Lehigh Emery Wheels,
Knowle's Steam Pumps,
Cleveland Set & Cap Screws.

CHAS. C. LATHROP,
S. PARK LATHROP.

Newark, N. J. Jan 19 1876

M. S. Edison

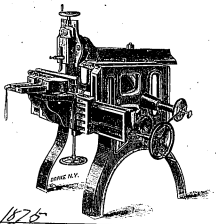
Bought of **LATHROP & CO.,**
(LATE WM. H. ARCHER & CO.,)

IMPORTERS, MANUFACTURERS' AGENTS,
AND DEALERS IN
RAILWAY, MILL & MACHINISTS'
SUPPLIES,

TERMS CASH. No. 200 MARKET STREET.

1	Keg Nails	30 d		3 15
1	" "	20 d		3 15
1	" "	12 d		3 15
2	" "	10 d	3 15	6 30
3	" "	8 "	3 40	10 20
1	" "	6 d		3 65
1	" "	4 d		4 15
				33 75

Recd Payment Lathrop & Co
H & B



Newark, N. J. January 22 1876

Mr. Edison

Bought of **A. J. Davis,**

ENGINEER & MACHINIST,

MANUFACTURER OF THE MOST IMPROVED MACHINERY,

Pile Driving Engines, Hat Machinery, Shaping Machines, Drain Pipe Machines, Shafting, Hangers and Pulleys.

MILL WORK OF ALL KINDS,

No. 93 N. J. RAILROAD AVENUE.

1875

Dec 30	By Amount of bill rendered	5921
	Cr By 675 ft Pulleys Shafts & Hangers @ 14	4170
		$ 1751

Terms Cash.

NEWARK, N. J., January 22 1876

Mr Thos. A. Edison

Mr D. M. Meeker & Son, Mr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 3/3 lb Grey Iron Pieces	5	3 68	
" 4 1/4 lb Comp. Wheels	45	1 91	$5 59

OK Acoustic

January 22 1876 -
Received check on account
dollars dated January 26
M Mannix & Co
Dickerson

Philipsburg, Pa., January 24th 1876

Received of Thos A. Edison Esq
Check #53 on 1st Nat'l Bk of Newark N.J.
Six hundred Dollars.

In settlement of bill on a/c

SHIPPING NOTICE.

Philipsburg, Centre Co., Pa., Jany 25 1876

Mr T A Edison

Menlo Park N J

Dear Sir:—We have this day forwarded to Penn'a R. R. Co., Care of T A Edison at Menlo Park

Station. N J

Car No. 35281 Inroice No. 3 Order No. —

3435' W.P. German Siding O.G. S.G.

6061' " " Flooring —

3531' " " 5/8 Boards

Respectfully.

HOOVER, HARRIS & CO.

SHIPPING NOTICE.

Philipsburg, Centre Co., Pa., Jany 28 1876

Mr T A Edison

Menlo Park

Dear Sir:—We have this day forwarded to Penn'a R. R. Co., Care of T A E. at Menlo Park

Station. N. J.

Car No. 7216 Inroice No. 4 Order No. —

2 pcs	Hemlock		4 x 8 x 34½
11	"	"	2 x 10 x 24
13	"	"	2 x 12 x 24
24	"	"	2 x 8 x 24
21	"	"	2 x 5 x 16
108	"	"	2 x 4 x 22
9	"	"	2 x 4 x 13
11	"	"	4 x 4 x 22
6400	Lin. St Lath	"	1½ x 2½
2000	ft Good Pen bds.		$18
4034	" "	"	⅞ Rabt. Siding
500	" "	"	1¼ — $18
6583	" "	"	⅞ German Siding
10,500	" "	"	⅞ P.I.N.

Respectfully.

HOOVER, HARRIS & CO.

Terms Cash.

Newark, N. J., Jany 27 1876

Mr Thos. A. Edison

To D. M. Meeker & Son, Dr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 23 th Comp Rollers Acoustic	45	10.35

Phillipsburg, Centre Co., Pa., Jany 28th 1876

T. A. Edison Esq

HOOVER, HARRIS & CO., Pr.

MANUFACTURERS OF AND DEALERS IN

FLOORING, SIDING, WHITE OAK, WHITE PINE, AND HEMLOCK BILL TIMBER,

TERMS CASH. BOARDS, PLANK, SHINGLES, PICKETS, LATH, &c.

2 pcs	Hemlock	4" x 8" x 100' long	533 ft.		
76 "	"	2 x 10 x 24	" 3040 "		
76 "	"	2 x 12 x 24	" 3648 "		
63 "	"	2 x 8 x 24	" 2016 "		
2 "	"	3 x 12 x 24	" 144 "		
104 "	"	2 x 6 x 16	" 1387 "		
180 "	"	2 x 4 x 22	" 2640 "		
125 "	"	2 x 4 x 13	" 1082 "		
4 "	"	4 x 4 x 22	" 117 "	14603 ft @ 17mm	248 25
6400 ft	Pine "	1¼ x 2½		@ 45c	2880
6600 "	"	Boards		@ 15c	9900
7500 "	½in Pine	Siding		@ 22.5c	1687 50
1000 "	1in	Boards	D & S (Good)	@ 25c	2500
1000 "	1in	"	D & S (Ceiling)	@ 30c	3000
500 "	1¼in	"	D & S (")	@ 28c	1400
1000 "	7/8in	"	D & S (")	@ 19c	1900
6661 "	No 1	Flooring		@ 27mm	1833 4
11000 "	½ Ceiling	Boards, 5 in Square		@ 35mm	3500
22600	No 1	18" Shingles		@ 6c	1210 00
					124014

Bar 6586 x 5517 x 14860 x 3528 x 7216 x 7770

Jany 28 1876.

Recd of Thos A Edison
Check for Twelve 80/100 on
account. A Harris
Cash

Jany 28 76

Received of Thos A Edison
Check for twenty two 80/100
in full to date. Wm E H Appleton
Per A.G.H.

Newark January # 29	1876	
Mr. T. A. Edison. Dr. To G. W. Price		
To Carpenter Work		
Balance Due		$11 93
Received Payment in full		$11.93
Geo. W. Price		

Terms Cash.

NEWARK, N. J., January 31st 1876

Mr Thos. A. Edison

Mr D. M. Meeker & Son, Dr.

MANUFACTURERS OF

MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,

DAVID M. MEEKER.
S. J. MEEKER.

87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 62 lbs Iron Bases 5			3.10
1 Piece 6 Pounds lb Mercury		.50	
3 hours extra work		1.50	

Jany 31 1876

Received of Thos A Edison
Check for twenty five
$25.00 on account

Samuel Downey
Saunier

Newark, N. J. 1876

Mr.

Bought of WILLIAM HEWITT & SON,

Successors to THEODORE SANDERS,

DEALERS IN COAL & WOOD,

No. 153 Bergen Street.

79

Statement
Jan 1. 1876

Mr Edison											
								To C. M. Francisco			
To 3 cords wood at $5.00										15	00
Rec'd payment C. M. Hewitt											

MONTHLY STATEMENT.

Newark, N. J. Feb 1st 1876

Mr Thos A Edison

To D. M. MEEKER & SON, Dr.

87 to 95 Clay Street,

(Between Broad Street and Passaic River.)

TERMS CASH.

Jany 4	20 M dse	163
11	" "	560
15	" "	141
17	" "	823
24	" "	559
27	" "	1035
31	" "	310
		$3591

Newark Feby 3 1876

Received of Thos A Edison
Check dated Feby 12 - 76
for fifty dollars on
account
$50.00

D M Meeker
PB

Newark, N. J. Feb 12th 1876

Mr Thos A Edison

To WILKINSON & CO., Dr.

A. B. WILKINSON,
W. B. WILKINSON.

STOVES, RANGES, HOT-AIR FURNACES, PLUMBING AND GAS FITTING,

Tin Ware, Refrigerators, Fruit Jars, Clothes Wringers and Culinary Utensils,

Roofing, Repairing and Jobbing in Tin, Sheet Iron and Copper.

No. 651 Broad Street.

Opposite Opera House, near Park & Lombard Streets.

Cash for Old Copper & Brass 2 cts

Cash for Old Pewter 18 cts

Cash	40 00

Mercantile Trust Company,

EQUITABLE BUILDING,

NOS. 122 & 124 BROADWAY, 2339

$ 15 7 pm

Received, New York, July 3 1876

from Thomas A. Edison Fifteen Dollars,

for the use of a Safe in the Vault of this Company from July 3 1876

to January 3 1877 subject to the Rules and Regulations

made by the Company appertaining thereto.

See back of this Receipt.

Office Hours, 9 to 4.

Safe Deposit Department.

Terms Cash. NEWARK, N. J. July 7 1876

Mr. Thos. A. Edison

FLAGGING
A SPECIALTY.
Special attention given to
PRIVATE WORK.
Orders for
COAL
PROMPTLY FILLED.

Bought of C. HANNON & SON,
CONTRACTORS,
Grading, Paving, Curbing, Flagging and Sewering of all kinds done in the most substantial manner, and Dealers in
ALL KINDS OF COAL.
A SUPERIOR STOCK OF BLUE STONE AND COAL ALWAYS ON HAND,
Office and Yard on Dock 396 OGDEN ST.
CORNELIUS HANNON, Jr.

Date.	Furnace Lump.	Stearner Lump.	Grate.	Egg.	Stove.	Chest.	Pea.	Pea and Dust.		
Dec 17										
					4				30	
										3 35

Terms Cash. NEWARK, N. J. Feb 9th 1876.

Mr. Thos. A. Edison

To D. M. Meeker & Son, Dr.
MANUFACTURERS OF
MALLEABLE, GREY IRON, GERMAN SILVER AND COMPOSITION CASTINGS,
DAVID M. MEEKER.
S. J. MEEKER.
87 to 95 Clay Street, Bet. Broad St. and Passaic River.

To 2½ lb Comp Pieces	45		1 13

WHOLESALE DEALERS IN
DRUGS, PATENT MEDICINES, ACIDS, CHEMICALS, DYE STUFFS, CHICORIES, PUBLISHING MATERIALS, BRUSHES, PAINTS, OILS, VARNISHES, GLASS & GLASSWARE, NAVAL STORES, &c.
WINES AND LIQUORS FOR MEDICINAL PURPOSES.
Perfumery and Fancy Articles,
Proprietors of Emerson's Hand Regulator.
THE GREAT FAMILY MEDICINE.
Dr. L. Emerson's DEAD SHOT and other Preparations
ALSO AGENTS FOR
DR. DUNGER'S CELEBRATED SALVE.

Agents for PASSAIC CHEMICAL WORKS OIL VITRIOL and other ACIDS.

NEWARK, N. J. July 12 1876

T. A. Edison

Bought of SMITH & TOWNLEY,
SUCCESSORS TO C. W. BADGER & CO.—Established 1825.
WHOLESALE DRUGGISTS,
CHARLES B. SMITH, }
WM. M. TOWNLEY. }
801 BROAD STREET, opposite Fair Street.

To Di Chro Pot	22		11.00
OKB			

Car # 17774

Philipsburg, Centre Co., Pa. July 17th 1876

T. A. Edison Esq

The HOOVER, HARRIS & CO., Dr.

MANUFACTURERS OF AND DEALERS IN

FLOORING, SIDING, WHITE OAK, WHITE PINE, AND HEMLOCK BILL TIMBER,

Terms Cash. BOARDS, PLANK, SHINGLES, PICKETS, LATH, &C.

5000	No. 1 18" Shingles	@ 5.50	27.50
			27.50

SHIPPING NOTICE.

Philipsburg, Centre Co., Pa., July 17 1876

Mr T. A. Edison

Menlo Park N.J.

Dear Sir:—We have this day forwarded by Penn'a R. R. Co., Care of M. Sepo at Menlo Park

Station. M. P.

Car No. 17774 Inroice No. 2 Order No. —

5000. No 1 18 in Shingles

Dear Sir

We have Shipped the above on Car with our Topping as per direction of our Mr. Hussey

Respectfully.

HOOVER, HARRIS & CO.

Railway, N. J. February 3d 1876

M. C. A. Edison

Bought of D. O. HARRIS,

MANUFACTURER AND DEALER IN

COOKING, PARLOR AND HEATING STOVES, RANGES, HOLLOW WARE.

TIN-WARE, HOT-AIR FURNACES AND TIN-ROOFING. No. 187 MAIN STREET.

Feb 19	8 Pickets Oak Pickets	@	1 80
Mar 4	2 pcs Pine Flooring		60
	2 pcs Pine Flooring		1 60
	1 pc Pine Stem Mld	12½	50
	Lab-pc		25
	Rec Payment		4 65
	N. C. Harris		

New York, Feby 19 1876

Received from Geo Caldwell Esq
Twenty-
one c/o of Engine, Heater & Boiler ordered
$90
Cooke & Pepper
Bankers

All reclamations to be made within Five Days from receipt of Goods.

New York, Feby 7th 1876

Mr T A Edison

Bought of WADSWORTH, MARTINEZ & LONGMAN,
MANUFACTURERS OF
White Lead, Zinc White, Colors, Colored Paints and Varnishes.
ALSO,
Sperm, Whale, Lard, Tallow, Neatsfoot, Cylinder, Engine, and Car Oil,
No. 207 PEARL STREET,
(Near Maiden Lane.)

WADSWORTH, MARTINEZ & LONGMAN,
Manufacturers
First Class Railroad Oils.
The Diamond Light Oil.
150 Fire Test for Railways,
For Factories and Family Use.
Oils for Engines, Fine Machinery.
Painting Presses and Paper Mills.
Oils for Cotton and Woolen Mills.
Sewing Machines and Painters' Use.
Signal and Hinnade Equal to Sperm Oil.
Also, Sole Agents for the Excelsior Oil Manufacturing Company of Pennsylvania.

{DANIEL WADSWORTH, ARMIDIAS MARTINEZ, WALTER LONGMAN.}

TERMS CASH.

1/100 Keg White Lead	10½	10 25	
5 gls Surpy	40	2	
2½ " Raw Lin oil	65	1 62	
2½ " Boild Lin oil	70	1 75	
2 cans	80	1 60	
1 Bladder Putty 15 lbs	3½	53	1 45
Forgt			50
			18 25

RECEIVED PAYMENT
WADSWORTH, MARTINEZ & LONGMAN.
per Patterson

2 Boxes lights 2
2 Boxes 19200

Received of Thos A Edison
Philadelphia Pa., Feb 24 1876
Dollars
In settlement of bill
Cooke Pepper & Co
Bankers
Frank Harris Co

PAPER BOXES,
OF EVERY DESCRIPTION.
PLAIN AND FANCY,
Constantly on hand,
AND
MADE TO ORDER.

Newark, N. J., Feb 24, 1876,

Mr. T. A. Edison,

Bought of JACOB GAUCH & BRO.,
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic and Bruen Streets.

TERMS CASH.

15 Boxes	25	30	11	03	6 36

Newark, N. J., Feb 29 1876

Mr T. A. Edison

To Loder & Iliff, Dr.

CARPENTERS AND BUILDERS,

Jobbing Promptly Attended to, also Wood Packing Boxes at Short Notice.

ALFRED LODER.
DANIAL K. ILIFF.

Entrance to Shop, 374 Market St. and Between 43 and 45 Lawrence Street.

Feb 29	To Contract on Door frames		
	Doors and Head lights	31	00
	16 Window frames @ $2.87	45	92
	16 " " 2.57	41	44
	2 Circle " " 2.57	5	74
	32 Pr 10+15-13 Lgr 12" Sash @ 2.72	87	04
	2 Circle Sash 2.72	5	44
	Drawing plans and bill of timber	20	00
	1 Day work	3	25
	Car Fare		75
			$ 240 58

Recd Payment
Loder & Iliff

STATEMENT.

Newark, N. J., Market" 1876

Mr T. A. Edison

To CHAS. W. WALKER, Dr.

MANUFACTURER OF

LEATHER BELTING, &c.,

No. 288 MARKET STREET.

1874				
Nov	5	To Merchandise,	2 26	
Dec	3	"	76	$ 3 00

Recd payment
Chas W Walker
per O Chandler

STATEMENT.

Newark, N. J., Mch 1 1876.

Mr. T. A. Edison

To JACOB GAUCH & BRO., Dr.,

MANUFACTURERS OF

Packing Boxes; also, Plain and Fancy Paper Boxes,

COR. EAST MECHANIC & BRUEN STS.

1875 Dec 29	1	To Michelas, as per bill rendered.	19	20
1876 Feb	" "		6	36
	" "		2	10
			27	66

406 MONTHLY STATEMENT.

NEWARK, N. J., Mch 1 1876.

Mr Thomas A Edison

In account with CONDIT, HANSON & CO.

236 MARKET STREET, cor. MULBERRY.

Feby 1 Mach. ap. end 23 Mdp	70 01
	5 60
	75 61
7 By Cash	50
	25 61

Monthly Statement.

Newark, N.J., March 1st 1876

Mr Thos A Edison

To Albert Hayden, Dr.

SUBJECT TO SIGHT DRAFT ON THE 15TH.

54 & 56 Mechanic St.

Jan 31	To Balance		$ 32	77

$ 60 80

Statement.

Newark, N. J. Feb 1 1876

Dr. Edison Esq

In Account with **SMITH & TOWNLEY,**

Wholesale Druggists,

CHARLES B. SMITH,
WM. M. TOWNLEY.

861 BROAD STREET, Opposite Fair Street.

Dy	1	Bal			24	55		
	12				"	"		
	17						10	36 95

92 54
55
37 34

Philipsburg, Pa., March 3 1876

Received of T A Edison

Check date March 4th for

Two hundred Dollars.

~~In settlement of bill~~ on ack

$ 200.00 Hoover Harris & Co

By

LEHIGH,
LACKAWANNA,
Spring Mountain,
CUMBERLAND,
and all other kinds of
COAL.
ALSO,
Hickory, Oak and Pine
WOOD
at the Lowest Cash Prices.

Newark, N. J. March 2 1876

Mr. Thomas A. Edison,

BOUGHT OF John Merkel, Jr.

WOOD AND COAL YARD.

28 PRINCE STREET.

Jan 17	1	Ton Stove Coal at	$	7 00
" 19	1	Stove		7 00
Feb 14	1	Stove		7 00
" 25	1	Stove		7 00
		Recd Payment	$	25 00

John Merkel Jr

Paper Boxes
OF EVERY DESCRIPTION,
PLAIN AND FANCY,
Constantly on hand
AND
MADE TO ORDER.
TERMS CASH.

Newark, N. J. Mch 7, 1876.

Mr. T. A. Edison,

Bought of **Jacob Gauch & Bro.,**

MANUFACTURERS OF

PACKING BOXES,

Cor. East Mechanic and Bruen Sts.

1	Bare	20	16	12		46		
1	"	20	12	24		68		
1	"	18	18	10		42		
1	"	18	15	12		42		
1	"	21	15	17		53		
1	"	20	12	14		42		
1	"	18	15	18		50		
1	"	17	11	13		31		
1	"	46	22	22		1	75	
1	"	18	18	12		48		
1	"	29	26	14		81		
2	"	20	14	15	6	1	34	
								8 29

Newark, N. J. March 7th 1876

Mr T. A. Edison

To WM. H. KIRK & CO., Dr.

BUILDERS,

SPECIAL ATTENTION GIVEN TO

HARDWOOD DOORS AND INTERIOR TRIMMINGS,

Jobbing Promptly attended to.

No. 286 Market Street.

SAWING, PLANING, WOOD TURNING, Mouldings, &c. SASHES, BLINDS & DOORS, MADE TO ORDER.

W. H. KIRK, N. JAGGER, H. H. KIRK.

1876							
July	2	To. Shifting Pipes for Ashes.				2	27
Sept	4	" 4 ft Walnut	.12				48
Oct	19	" 5 ft. White wood	.12				60
Jan 5th	14	" 4 ft Walnut	.11c				44
March	8	" 6 Lights 10 x 14 8	.12		72		
		" 4 " 14 x 18 8	.20		80		
		" 7 " 10 x 18 "	.180		126		
		" 16 " 12 x 18	.21c		336		
		" 25 " 24 x 34	1.28		2 56		
		" 5 " 22 x 34	1.15		5 75		
		" 25 " 26 x 24	.81c		1 62		
		" 3 " 18 x 32	.75		2 25		
		" 4 " 18 x 28	.70		2 80		
		" 15 " 9 x 14	.11		1 65		
		" 1 " 18 x 36			98		
		" 1 Sash 8 Lights 9 x 14			1 38	25	53
		" 422 ft. of Double Partitions	.14c		59 08		
		" 52 ft. " Single "	9c		4 68	63	76
					326 08		
Aug	14	" Credit to pay his note.				1	55
		By his renewed Note			324 48	$ 94	23

Lyons Farms
March 4th 1886

Mrs. Edison Dr
To J. Fitzpatrick
to milk as follows.
Jan 15th 29 Feb 8 & 16 29 Mar 8 $30.00

Rec payment in full
up to Date
Thos Fitzpatrick

McFARLAND BUILDINGS,
Newark, N. J. Mch 10th 1876

Mr Thomas Edison

A general assortment of Home-Furnishing Goods.

Bought of THOMAS H. DeVAUSNEY,
DEALER IN
Furniture, Crockery, Glassware, Carpets, Oil Cloths,
MATTING, BEDDING, MATTRESSES, WOOD & WILLOW WARE.
272 MARKET ST., near Laurence.

To Amt of Acct as per bill		
Mch 7th 1 Camers Brush	1 85	
2 Doz Brushes	1 60	
1 Pair	30	$1,15
Rec Payment		
Thos DeVausney		

Newark March 10th 1876
Rec'd of T. A. Edison Four hundred dollars on acct of his sentence of Crocker & Beggs.

Geo. M. Campbell

New York March 10 1876

Received from George W. Caldwell
Check of Thomas A. Edison ~~Fifty~~
for Three Hundred Dollars dated
March 11, 1876
$300.00

Cooke & Bigg.
Geo. Hoff per G.

A COMPLETE STOCK OF
Champagne Wines,
Fine Sherries, Old Port.
OTARD & HENNESSEY BRANDIES.
SUPERIOR OLD
BOURBON & RYE WHISKIES.
—ALSO—
CHOICE BRANDS
—OF—
IMPORTED SEGARS.

NEWARK, N. J., Mar 10 1876

Mr. Thos A. Edison

Bought of **Atwater & Carter,**
DEALERS IN
CHOICE FAMILY GROCERIES, FINE TEAS, WINES & LIQUORS.
SAMUEL ATWATER, FRED. A. CARTER
TEA & COFFEE MARKET, No. 728 BROAD ST.

		To Goods as per Bill rend	12	20	
Mar	3	11 lb Ham 2 50 2 can Corn 40 2 can Tomatoes 40 3 lb Sardines 1 00	4	60	
		2 Pkg Bruns 50 Pot Roasts 1 50 3 coffee 1 20 Pkg Flash 10	3	30	
		5 Butter 2 00 3 dz Eggs 60 lb Soap 2 00 lb Starch 25	10	75	
		Pkg Y. Powder		30	143 19

Rec Payment.
Atwater & Carter

Sole Agents for A. J. WRIGHT'S PATENT IRON TURN-TABLE, for Locomotives. Sole Eastern Agents for GARDNER'S PATENT GOVERNOR.
Steam Passenger Elevators, for Hotels and Store Houses, with Beggs' Patent Safety Appliance.

WM. COOKE,
JAS. BEGGS.

New York, Mar 14 1876

Mr Chas Batchelor

Bought of COOKE & BEGGS,

PRACTICAL MACHINISTS AND ENGINEERS,

Steam Engines, Boilers, Machinists' Tools and Hoisting Engines,

Every description of Supplies for Mines, Machinists, Mills, Railways & Steamships.

16 CORTLANDT STREET.

P.O.O.

Terms, Cash.

6 of 3/4 M.S. Pipe	@ 9		56	
6 " 3/4 M.S. "	@		42	
			108	
	70%		70	83
Cutting & screwing do				60
6 3/4 M.S. Elbows	17		72	
1 3/4 " Tee			16	
			88	
	70%		17	71
2 # White Lead	30			60
2 # Hemp Packing	35			70
Recd Payment Cooke & Beggs				$ 3 44

NEWARK, N. J. Mch 18th 1876

Mr T. Edison

BOUGHT OF

A. F. CONERY,

MANUFACTURER & IMPORTER OF BRUSHES,

922 BROAD STREET.

TERMS.

2 Doz. Sash tool Brushes		5.00

Received Payment
A. F. Conery

Newark, N J. March 18 1876

Mr T. A. Edison

To Loder & Iliff, Dr.

CARPENTERS AND BUILDERS,

Jobbing Promptly Attended to, also Wood Packing Boxes at Short Notice.

ALFRED LODER.
DANIAL K. ILIFF.

Entrance to Shop, 274 Market St. and Between 43 and 45 Lawrence Street.

To 2 Pr 1¾in 10x18-12 Lgth Sash @ 3.50	7 00	
1 Head Light	1 50	
1-6 Panel 1¾in Door	7 00	
Freight and Cartage on Same	60	
		$16 10

Recd Payment

Loder & Iliff

March 18. 1876

Recd of T A Edison forty min 25/100 in full to date. in the form of a check dated March 25 1876

Jacob Hey
Pat Ts

Newark Mch 18 1876

Received of Thos A Edison forty dollars $40.00. in full for moving machinery

D W Stilwell

Minot Falls March 20th 1896

Mr Edison Dr

To J. F. Carmichael

Jan	20	1 day Cutting Lumber	3	60
"	21	" " "	3	60
"	22	" " "	3	60
"	24	1/2 " " "	1	75
"	24	1 load lumber from Mutchler	1	00
"	26	1/4 day Cutting lumber		88
"	28	3/4 " " "	2	63
Feby	1	1/4 " " Stone for Gilliland		88
"	3	1 " " lumber	3	50
"	9	1 " " "	3	50
"	10	1/2 " " "	1	75
"	16	lumber		50
"	19	Shingles		50
"	26	Sash and frame		50
March	1	4 Yards sand at 90¢	3	60
"	2	Time from Unionville		50
"	10	1/2 day cutting machines	1	75
"	11	1/4 " " "		88
"	20	1/2 " " "	1	75
"	23	1/2 " " "	1	25
			37	62
			20	00
			17	62
Feby	19	Cr By Cash	10	00
March	20	" " "	10	00
			20	00

17.63
9.73
S Edison 8.90

9.73
T. W. Edison

New York March 20 1876

Received from Geo W Calhoun Esq

Two Hundred & Sixty seven & —/— Dollars

full for balance on our bill of March 7, 76

for one Pair 16 Engine, Boiler, Pump & Boiler

$267 00 — Cooke & Beggs

for Harper

Sole Agents for A. J. WIGHT'S PATENT IRON TURN-TABLE, for Locomotives. Sole Eastern Agents for GARDNER'S PATENT GOVERNOR.
Steam Passenger Elevators, for Hotels and Store Houses, with Beggs' Patent Safety Appliances.

Wm. Cooke,
Jas. Beggs.

New York, March 21 1876

M. Edison & Co

Bought of COOKE & BEGGS,

PRACTICAL MACHINISTS AND ENGINEERS,

Steam Engines, Boilers, Machinists' Tools and Hoisting Engines,

Every description of Supplies for Mines, Machinists, Mills, Railways & Steamships.

16 CORTLANDT STREET.

Terms, Cash.

Pattern for 1 Boiler 1 Bed Plate 1 Pump 1 Boiler 1 Bed Plate 1 Pump 1 Boiler
marked Thos A Edison Menlo Park
Recd Payment
Cooke & Beggs

$200

FORM No. 35

No. New York Station, March 21 1876

Mr. T. A. Edison Menlo Park

To **PENNSYLVANIA R. R. CO.** Dr.

For Freight from ..... per Manifest No. .....

on Pier 16

	MARKS.	WEIGHT.	RATE.	AMOUNT.
One (1) Boiler 880				
Two (2) Boxes 50				
One (1) Bed Plate 100				
Two (2) Cases 330				
One (1) Plate 50				
One (1) Pump & Engine & Pump 200		1385	13	180
One (1) Engine 780		980	26	255
				435

Paid by Cashier March 21 1876

Pier 16 N. R. R. N. Y.

Received Payment for the Company,

..... Agent.

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., Mar 27th 1876

Received from Mr T. A. Edison Check for Thirty seven 04/100 Dollars in full of a/c to date

$37 04/100 T. M. Meeker & Son

MONTHLY STATEMENT.

Newark, N. J. Apl 1st 1876

Mr Thos A Edison

To Lathrop & Co., Dr.

TERMS CASH—30 days. No. 200 MARKET STREET.

Mar 1	To Mdse		15 75

Rec'd Payment Lathrop & Co per [illegible]

...ERS are ...ICE attached.

FORM No. 24-A.

PENNSYLVANIA RAILROAD COMPANY.

UNITED RAILROADS OF NEW JERSEY DIVISION.

WAY FREIGHT. Newark March 28 1876

NOT NEGOTIABLE

Received of T. A. Edison Co

One Can H. H. Goods

MARKED: T. A. Edison Co

to be transported to Menlo Park and

delivered to Ne or order, upon the following

Paid 99.60

TERMS:

1. The Company's liability is not to commence until the goods are actually received and ready for transportation, and it is to terminate on delivery at the Company's wharf or depot, or such other convenient place as they may provide for that purpose, or (if not sooner removed) shall terminate, without notice or demand, at the end of six working hours after they are ready for delivery at such point or place, and if not removed within that time they may be either held or stored, at the sole risk and expense of the owner or whom it may concern, and without insurance.

2. In the case of goods to be forwarded beyond this Company's line, their liability is to extend only to their own portion of the route over which the goods are to be transported.

3. Except when their Agents are guilty of gross negligence, this Company is not to be responsible for injuries to goods that may arise from the dangers of the seas or railroad, canal, river or lake transportation, or from Providential or other unavoidable cause, or from fire, or from the effects of heat or cold, or from the perishable character or fragility of the goods themselves, such as furniture or castings, or from defective package, such as loss of contents of packages covered with cloth, injuries from breakage of glass or other brittle ware, leakage of liquids, escape of grain or other small articles from bags, decay, rust on iron, deterioration, loss of weight by natural causes, &c., or for changes of the market during the period of transportation.

4. Claims for loss or damage shall be made in writing immediately, and if delayed for more than ten days after the delivery of the article, or after due time for the delivery thereof, the Company shall not be liable. In case of loss or damage to any of the goods herein mentioned, for which this Company would be liable, it is agreed that they shall have the benefit of any insurance that may have been or may be effected on said goods, and shall in no case be answerable over to the insurers.

5. In pursuance of a law of New Jersey, passed March 10th, 1853, authorizing Railroad Companies to limit their responsibility to $100 for every 100 pounds of goods, unless additional compensation be paid, it is agreed that this Company are not in any case to be liable for more than a dollar a pound for the loss or damage to the goods carried under this agreement.

6. In the case of goods received for transportation from connecting lines, this Company shall have the benefit of any exemptions from liability stipulated for in the bills of lading given to the shipper or consignor.

7. The goods herein referred to shall be subject to a lien, and may be retained, for freight and charges on other goods, due from the party on whose account they are transported, as well as for freight and charges on the goods retained.

W. A. [illegible] Agent.

Menlo Park April 1 1876

Received of Thos A Edison Twenty One dollars
in full to date for work in painting Etc

George W. Ayres

Menlo Park April 1 1876

Received of Thos A Edison Seventeen
dollars and fifty Cents in full to date
for work Carpentering

C. W. Moffett

TERMS, ...

New York, Mar 3 1876

Mr T. A. Edison

CONTRACTORS & ENGINEERS.

MILLS, FACTORIES, STEAMBOATS, &c.

FITTED UP UNDER CONTRACT.

PROFESSIONAL OPINIONS FURNISHED.

Bought of ROBERTS ~~& KING~~,

119 LIBERTY STREET, near Greenwich,

DEALERS IN

NEW & SECOND-HAND ENGINES, BOILERS, STEAM PUMPS,

COTTON PRESSES, WAREHOUSE ELEVATORS, &c.

36	ft 1½ in Pipe	@ 22		7	92
119	" 3/4 " Pipe	@ 8		10	71
6	1½ in Ells @ 36	2.16	2 3/4 lumber @ 92 30	2	88
4	1 " Ells @ 18	72			72
2	1 " Nipples 10	20	2 1/4 L.ad 6 12		32
1	Globe valve 3/4 @		185	1	85
1	Check " 3/4 @		125	1	25
1	Cock 3/4 @			1	75
1	Plain lamp $5.00			2	50
	Cartage & Box				50
				$	30.40
			Due on unmetered bill		93
					31.33

Rec'd payment

E. E. Roberts

Due $2.50 for 1 one inch valve for motor under order of engineer not charged on above bill but forgotten

Please credit

$2.50

Newark N.J. April 7 1876.

Mr. T. A. Edison

To Geo. W. Caldwell Dr

To Bal as per statement and bill		93
To 6 days time on Engine & Dynamo	21	00
" 4 Dozen & Dozen Bank & Dynamo	3	00
" 6th. Extra Rubber fitting		82
	$25	75
Cr By Cash Recd 21st	10	00
Bal due	$15	75

Please Pay amount
Yours W. Caldwell

I sent the other bill Saturday
I enclose check for the
bill — Yours Edison

Return receipt
of the enclosure
E.

Received Newark N.J. Apl 7 1876
from Mr. T. A. Edison
Thirteen 81/100 DOLLARS,
in full to Apl 1st
$ 13. 81/100 G. Gauch & Son

A COMPLETE STOCK OF
Champagne Wines,
Fine Sherries, Old Port,
OTARD & HENNESSEY BRANDIES.
SUPERIOR OLD
Bourbon & Rye Whiskies,
CHOICE BRANDS
IMPORTED SEGARS.

SAMUEL ATWATER,
FRED. A. CARTER.

NEWARK, N. J., April 7 1876

Mr Thomas A Edison
Bought of **ATWATER & CARTER.**

DEALERS IN
CHOICE FAMILY GROCERIES, FINE TEAS, WINES and LIQUORS,

TEA & COFFEE MARKET, No. 728 BROAD ST.

To acct in full to date	13	89
Recd Payment Atwater & Carter Apl 7/76 Carey		

April 8 1876

Received of Thos A Edison Eleven dollars and 25 Cents on a check. in full to date.

Benjamin D. Acker.

Received from Mr A Edison Esq
Eleven 25/100 **Dollars,**
Cheque upon the N.S.B.

$ 11.25 Cash Tendered

Menlo Park Apr 8. 1876.

T. A. Edison Esq

To

W. H. Thomalla

To 45 lbs milk @ 80 $8.60
" 10 lbs Pork @ 15-0 1.50
" Cartage 25-0 Cabbage 40
$5.50

Rec Payment,

From March 30th to April 8th inclusive.

NEWARK POTTERY AND DRAIN PIPE WORKS.

MONTHLY STATEMENT.

Folio ____ NEWARK, N. J., April 10 1876

Mr Edwin Murray

To JOHN H. OSBORN, Dr.

Nos. 8 to 24 Belleville Avenue.

To Mdse.	188

Rec Payment
By check
J H Osborn

Picture Frames, of all kinds, made to order. Window shades and cornices put up. Oil cloths fitted. Weather Strips applied, and other jobbing.

Oil Cloths, Druggets, Matting, Agricultural Implements, &c.

Chas. P. Strong, William S. Strong, John H. F. Randolph.

New Brunswick, N. J., April 11 1876

Mr Thomas Edison

Bought of **CHAS. P. STRONG & CO.,**

Wholesale and Retail Dealers in

Hardware, House Furnishing Goods, &c.,

No. 201 Burnet Street.

TERMS:

2 Gro Screws	22	44	
6 Doz Brackets	27	162	
1 Lock Comp		50	
			2.44

Rec Payment
Chas P. Strong & Co
per

6.
76
450

244
101
1200
1605

Gas Fixtures.

TIN ROOFING.

PLUMBING.

GAS FITTING AND Sheet Iron Work.

(No. 1 Peace-Street, Commerce Square.)

New Brunswick, N. J., April 10 1876

Mr Thos Eddison

Bought of **C. H. & F. R. STOUT,**

DEALERS IN

IRON, STEEL AND CARRIAGE HARDWARE, STOVES, RANGES, FURNACES, FIRE PLACE HEATERS, ETC.

39 lbs Band Iron Knife	4	1.56
		05
		1.61

Rec Payment
C. H. & F. R. Stout

WADSWORTH, MARTINEZ & LONGMAN,

MANUFACTURERS AND IMPORTERS OF

WHITE LEAD, ZINC PAINTS, COLORS, VARNISHES, &C.

No. 207 PEARL STREET,

DANIEL WADSWORTH,
ARMFORD MARTINEZ,
WALTER LONGMAN.

FACTORY,
FIFTH AND NINTH NORTH STREETS,
BROOKLYN, E. D.

New York, April 4 1876

Mr T. A. Edison
Menlo Park N.J.

We credit with thanks
Check for Twenty eight 62/100 Dollars
in payment of ——— as
per your favor of April 4th

Yours respectfully,
Wadsworth Martinez & Longman
7/4

JOSEPH MOORE & SONS,
535 & 537 CHINA STREET.

Received
Philadelphia, April 10th 1876,
of Thos. A. Edison
Twenty five ——— 00/100 Dollars,
for settlement of account
Jos. Moore & Sons.

CROWELL & COE.
Dealers in
IRON AND STEEL,
106 and 108 Mulberry Street,
NEWARK, N. J.

Received
Newark, N.J. April 11 1876
from Mr T. A. Edison
Twelve ——— 64/100 Dollars,
in full of all to date.
Crowell & Coe
7/4
2.70

New York, April 10 1876

Mr. Thomas A. Edison
Beg sir
Enclosed

Your favor of the 7th inst. is received inclosing your check for Four & 22/100 Dollars in settlement of acct to date for which please accept our thanks.

Yours Respectfully,

THE INDIA RUBBER COMB CO.
Per J. C. H.

$4 22

[Apr. 11 1876]

Sir Your Check for Bill of March 11th in Duly Received for which except thanks Yours
Wm Smith

MONTHLY STATEMENT.

Phillipsburg, Centre Co., Pa. April 13 1876

Thomas A. Edison

To HOOVER, HARRIS & CO. Dr.

MANUFACTURERS OF AND DEALERS IN

WHITE OAK, WHITE PINE, AND HEMLOCK BILL TIMBER,

BOARDS, PLANK, SHINGLES, PICKETS, LATH, ETC.

1876					Dr
Jany	28	To	Lumber	a/c Bill	1240 14
Feby	17	"	"	"	2750
	21	"	"	"	3021
Apr	10	"	"	"	3652
					13344 9

			Cr	Cr	
Jany	24	By	Cash	600 00	
Feby	21	"	"	400.00	
Mar	11	"	"	200.00	
				1200.00	
		"	Ballance	13449	
				13344 49	13344 9
		To Ballance			$ 134 49

Paid by Check Apr 14 1876

DEALER IN

French, English and American

Plain and Decorative

WALL PAPER,

Window Shades,

Cornices, Bands, Fire Boards,

PRINTS, &c., &c.

Newark, N. J., April 13th 1876

Mr. Edison

To M. A. Fraser Dr.

HOUSE AND FRESCO PAINTER,

AND PAPER HANGER,

No. 663 Broad Street.

Mar 8	10	16	Gilt Paper	15	7	20
		22	Gold Border	5	1	76
		24	Gilt Paper	20	4	50
		36	Gold Border	4	1	44
	22	24	Gilt Hall Paper	30	7	20
		33	Gold Border	15	4	95
		3	Gilt " Ceiling	4		12
	24	10	Gilt Paper	45	4	50
		19	Gold Border	5	1	62
		4	Gilt Hall Paper	30	1	20
			Cornice Work			20
			Paste			10
		12	Gilt Paper	10	1	20
		12	Gilt Hall Mouldings	10	1	20
		8	Varnish	15	1	20

$35.69

Rec'd payment
M. A. Fraser

NEW JERSEY WIRE MILL.

T. A. Edison & Co Newark, N. J., April 13 1876

Mr. S. Dettinger

Bought of **HENRY ROBERTS,**

MANUFACTURER OF

REFINED IRON AND STEEL WIRE,

WIRE MILL, N. J. R. R. Ave., opposite Chestnut St. Depot, NEWARK, N. J.

Trains leave New York, Cortlandt St. Ferry, every hour for Newark.

MARKET & STONE WIRE,
BRIGHT AND ANNEALED
Telegraph Wire, Coppered Pail Bail, Rivet, Screw, Bundle, Umbrella, Spring, Bridge, Fence, Broom, Brush and Tinners' Wire.
☞ Wire Straightened, and cut to any length required.

TERMS—CASH, payable on receipt of invoice, with Exchange on New York.

127	lb. No 16 G. S. Wire	6	20	32	
			4	06	
			1	26	
			5	08	21 34

S. Dettinger

Cash

Batch

I paid this bills
but I cannot pay it
soon as possible

Edwin

Robert

Received Menlo Park April 14th 1876 from Mr Thos A Edison Thirteen 90/100 Dollars for bill of Lumber delivered Apr 10th

$13.90

Manning Freeman

All reclamations to be made within Five Days from receipt of Goods.

New York, Apl 10 1876

Mr T A Edison Menlo Pk

Bought of WADSWORTH, MARTINEZ & LONGMAN, N.Y.

MANUFACTURERS OF

White Lead, Zinc White, Colors, Colored Paints and Varnishes.

ALSO,

Sperm, Whale, Lard, Tallow, Neatsfoot, Cylinder, Engine, and Car Box Oils,

No. 207 PEARL STREET,

(Near Maiden Lane.)

Wadsworth, Martinez & Longman,

Manufactur

First Class Railroad Oils.
The Diamond Light Oil,
150 Fire Test for Railways,
For Factories and Family Use.
Oils for Engines, Flax Machinery,
Printing Presses and Paper Mills;
Oils for Cotton and Woolen Mills,
Sewing Machines and Pulmans' Use,
Signal and Binnacle Equal to Sperm Oil,
Also, Sole Agents for the Excelsior Oil
Manufacturing Company of Pennsylvania.

TERMS CASH.

{ DANIEL WADSWORTH,
{ ADOLPHUS MARTINEZ,
{ WALTER LONGMAN.

1/10 gal Keg P P #100 Special 6 1/2		18	
1/2 P if N Mix & Seals 10 1/4		2 56	
1 Victor Can		95	
5 gal turpentine	45	2 25	
Ctge		50	
		35	7 46 1

Received Payment
WADSWORTH, MARTINEZ
& LONGMAN.
Per

CaRR

No. 2323

New York, April 17. 1876

Thos. A. Edison

BOUGHT OF THE WESTERN UNION TELEGRAPH CO.

SUPPLY DEPARTMENT,

REMIT WITHIN THIRTY DAYS TO THIS DEPARTMENT.

Broadway and Dey Street.

Feb.	9	40 Cups Bullard Battery No 2	32 80.	
		80 lbs Blue Vitriol	6 50.	
			8 00.	
Apl.	16	100 " "		
		50 Cups Bullard Battery No 2	42 50.	
		2 Bbls. 3 Boxes	84	$90 64

Newark April 18/76

Received from Thomas Edison One Hundred & Ninety 64/100 Dollars in full for Sale to date

106 42/100

David Manning

Received Newark April 18th 1876 from Mr Thos A Edison Ninety dollars on account

Balance in full

$5.42

David Manning

Receipt Thanks

Terms—30 Days Without Interest.

Metuchen, N. J. 187

Mr

To MANNING FREEMAN, Dr.

DEALER IN COAL AND LUMBER.

No. 9 Exchange Place,

Jersey City, N. J. Spring 1876

Mr T. A. Edison Esq

Esq of

UNIVERSAL
Apparatus for Electric Measurement.
AND
NAKED WIRE HELICES.

Bought of L. BRADLEY.

11	Gals. Spools 3/4 x 3/8 @35 3/8 hole all		16 00
	Received Payment		
	L. H. Frick		
	Cashr L. B.		

Hoboken, N. J. Apr 21st 1876

Mr T. A. Edison

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

200 lb Fertilizer @ 1.80		3.60

Oil Cloths, Druggets, Matting, Agricultural Implements, &c.

Picture Frames
OF ALL KINDS
MADE TO ORDER.
WINDOW SHADES
AND
CORNICES PUT UP.
OIL CLOTHS FITTED.
Weather Strips Applied,
AND OTHER
JOBBING.

CHAS. P. STRONG,
WILLIAM S. STRONG,
JOHN H. F. RANDOLPH.

New Brunswick, N. J. April 21 1876

Mr

Bought of CHAS. P. STRONG & CO.,

Wholesale and Retail Dealers in

Hardware, House Furnishing Goods, &c.,

No. 201 Burnet Street.

TERMS,

3 Gro 3/4 - 8 Screws	.23	69	
2 lbs 8 d Nails	8	16	
20 Doz 3 x 4 Brackets @ 25	5.00	5 8 5	
		5%	29
			5.56

Rec'd Payment
for Chas P. Strong & Co

Oil Cloths, Druggets, Matting, Agricultural Implements, &c.

Picture Frames OF ALL KINDS MADE TO ORDER. WINDOW SHADES AND CORNICES PUT UP. OIL CLOTHS FITTED. *Weather Strips Applied,* AND OTHER JOBBING.

CHAS. P. STRONG, WILLIAM S. STRONG, JOHN H. F. DAYHOUFF.

New Brunswick, N. J. April 21 1876

Mr

Bought of **CHAS. P. STRONG & CO.,**

Wholesale and Retail Dealers in

Hardware, House Furnishing Goods, &c.,

No. 201 Burnet Street.

TERMS,

1 1/2 doz Tash Fastenings	6/ 10	1 13
1/2 Bell		60
1 Latch		40
		2 13
37 fair & Rec		30
		$2 43
Paid C P Strong		

Mr

Rochester N.Y. Apr 17 1876

CARPETS, Ingrain and Matting, OIL CLOTHS, Window Shades, TABLE COVERS, Prunk's Satchels, Baskets, Chairs, etc. Reducers for Stoves. TERMS CASH.

D. G. THOMAS & SON, DEALERS IN **Agriculture, Agricultural Implements, Cutlery, Hollow Ware,** AND HOUSE FURNISHING GOODS.

1 Hac 1.80
1 Wipe 5
1 Broom 10
1 Pail 50
1 Pail 50
Received Payment
D G Thomas
2.95

Menlo Park Apr 22.

F. A. Edison

To W. M. Thomas Dr

To Amt Bill Rendered 7.84
" 29 qts milk @ 8c 2.32
$10.26

Rec'd Payment
W. M. Thomas

Newark, N. J. Apl 24th 1876

Mr Edison

J. R. WILKINSON,
W. R. WILKINSON

To WILKINSON & CO., Dr.

STOVES, RANGES, HOT-AIR FURNACES, PLUMBING AND GAS FITTING,

Tin Ware, Milk Cans, Refrigerators, Fruit Jars, Clothes Wringers and Culinary Utensils,

Roofing; Repairing and Jobbing in Tin, Sheet Iron and Copper.

No. 851 Broad Street,
Opposite Newark and New York Railroad Depot.

2 Crop Paders for Range	$1.25

Rec Payment
Wilkinson & Co.

New York Agency and Depot for "Newport Manufacturing Co.'s" Patent Direct and Double Gate Stop Valves, Globe Valves, Cocks, Hydrants, &c. "EVERY VALVE WARRANTED."

P. O. BOX 303.

New York. Apl 26 1876

Mr T A Edison

Bought of FRANK G. GREEN,

MANUFACTURER AND DEALER IN

WROUGHT, CAST AND GALVANIZED IRON PIPE,

And every description of Fittings & Tools used by Engineers, Manufacturers, Steam & Gas Fitters, &c.

Terms: **CASH.** 35 DEY & 16 NEW CHURCH STS.

GOODS SHIPPED AT BUYERS RISK. CLAIMS FOR ALLOWANCE MUST BE MADE UPON RECEIPT OF GOODS.

PATENT "DIRECT" VALVE.

60 1/2 Couplings	8	4 80	
40 3/8 "	7	2 80	
1. 1 1/2 x 1 1/4 Reducer		30	
		7 90	
50 %		3 95	3 95 3 95
			50
			4.45

Frank G. Green
Rec'd Payment
Frank G. Green
SEE NEW CUT

Apr 24 1876
Sight Received Apl 25th
Rec'd from Mr Thos A Edison
Twenty Four 00/100 Dollars in full of Rec'd tickets
Thos Dillon & Co

Apr 27 Rec Payment
M. Dunan
for N.Y.

Menlo Park April 29th 1876

Mr T A Edison,

To Geo M Ayres Dr.

To 11 Days work Painting at $2.00 $22.00

from April 17th to April 29th

Recd Payment to date

Geo M Ayres

Metuchen, N. J. April 29th 1876

Mr. T. A. Edison

Bought of C. D. WYMAN,

Dealer in all kinds of Coal, Lumber, Cement, Slate, Flagging, &c.,

TERMS CASH. Office, Junction of Le Grand Ave. and Lehigh Valley Railroad.

April 12	To 2 Tons Stove	@ 6.50	13 00
	" Carting	" 2.00	2 00
		Recd. Payment	
		C. D. Wyman	

☞ALL CLAIMS FOR DEFICIENCIES MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF GOODS.☜

Newark, N. J. May 1st 1876

Mr Thos A. Edison

Essex Brass & Silver Rolling Mill, BLOOMFIELD, N. J.

BOUGHT OF

P. HAYDEN & SON,

[redacted]

Nos. 54 & 56 Mechanic Street,

PLATERS, ELECTRO-PLATERS & GRAIN SILVER,

Silver Plated Metal, German Silver, Gilding Metal, Polishing Materials, &c.

SHEET, ROLLED AND PLATERS' BRASS.

Terms: Net Cash.

509 lb	Spelter @ 8 3/4 c.	44 53	
	Cutting	50	45 03
	Freight		60
			$45 63

Recd Payt

P. Hayden & Son

May 3/76

Newark N. J. May 9 1876

Received from T. A. Edison

Thirteen 70/100 Dollars,

in full to May 1 76

$ A. M. Wildman

New Brunswick, N. J. May 4th 1876

Received from Mr. Thos. A. Edison

Twenty Four 16/100 Dollars,

for ~~One Month's Board~~ in full of all demands

up to the above date

$24 16/100 Samuel C. Ballard

AGENCY OF THE NEWARK STEEL WORKS.

NEWARK, N. J., May 4 1876

Mr. T. A. Edison

Bought of CROWELL & COE,

DEALERS IN

IRON AND STEEL,

JOS. G. CROWELL. JAMES A. COE. | TERMS CASH. | 106 & 108 Mulberry Street.

93 lbs	7/16	O. Norway	8 1/2		8 08.	
51 "	12 x 3/16		9		4 59.	
110 "	3/16	O. Refd	4.00		3 93	
		Freight Paid			35.	
						16.95

Shipped by C. A. A. Rec'd pay't May 15 with thanks

Crowell & Coe

The 12 x 3/8 Norway we do not keep.

Thanks

J. H. THOMAS.

Newark, N. J. May 8 1876

Received from Mr Thomas A. Edison

Fourteen 35/100 Dollars.

In settlement of Bill May 3/76

$14 35/100

J. H. Thomas
Bookman

No. 9 Exchange Place,

Jersey City, N. J. May 11 1876

Mr T. A. Edison
Estate

Bought of L. BRADLEY,

Manufacturer of Electric Instruments

Delivered Silver Needle in Galvanometer 5.50
" Glass " 30
" 2000 Ohm Coil in Rheostat 1.50
Dry New Depol " " 1.50
Acid proofing " " 7.50
Ready for delivery 10.00

Paid $30.00 May 11 1876

$30.00

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241 Market St
Newark
N J
May 8 1876

T. A. Edison
to Geo Cogswell

12	Lamps	10 00
10	Extension Brackets	11 00
4	Study Lamps	18 00
6	Stand "	4 50
2	Chimney Clamps	50
2	"	20
12	8 in Reflectors	6 00
6	Brackets	2 25
6	Day B Wick	75
1	" Study Lamp "	10
1	Pair Wick Trimmers	50
11 1/2	Day Imported Chimneys @ 35	4 47
	Cash for Chimneys	50
		62 77
	Less 4 Brackets to be Returned	1 50
		61 27

Paid Geo Cogswell

Newark, N. J., May 11, 1876.

Mr. Thos. A. Edison:

Paper Boxes
OF EVERY DESCRIPTION,
PLAIN AND FANCY,
Constantly on hand
AND
MADE TO ORDER.
TERMS CASH.

Bought of **Jacob Gauch & Bro.,**
MANUFACTURERS OF
PACKING BOXES,
Cor. East Mechanic and Bruen Sts.

100 Cases 18 16 8	27 00	
Freight	1 20	
		28 20

Recd. Payment
J. Gauch & Bro

NEWARK, N. J. May 12 1876

Mr. Thos. A. Edison

Bought of **Sam'l E. Tompkins & Co.**

Manufacturers of TOMPKIN'S GIG TREES, &c., &c.
Importers and Dealers in SADDLERY HARDWARE,
50, 52, 54 & 56 MECHANIC STREET.

TERMS:—Net Cash on Demand, with Exchange on New York.

☞ Claims for deduction must be made within 10 days after receipt of Goods.
SAM'L E. TOMPKINS,
P. HAYDEN.

3 doz 3/8 ft Brass Caps	40 12.75	12.75

Recd payment
S. E. Tompkins & Co.
per P. H.
Chas

J. H. THOMAS.

Newark, N. J. May 13 1876

Received from Mr Thomas A. Edison
Sixteen 00/100 Dollars
In settlement of Bill May 9 1876
$16 00/100

J. H. Thomas
per Clemens

New York, May 13 1876

Mr. Thos A. Edison Menlo Park N.J.

Bought of **GEORGE PLACE, Agt.**

DEALER IN

Cold Rolled Shafting, Self-Oiling Adjustable Hangers, Pulleys, &c.

Iron and Wood Working Machinery of Every Description.

121 CHAMBERS and 103 READE STREETS.

Repairing Milling Mch	15 14	
1 pr on Box from Menlo Park	40	
2 Cartage	2	$17.54

Geo Place. Co

17.54
32.67
9.77
$59.98

Against this he has a face mill worth 170 Dollars.

Mr Thos A Edison

NEWARK, N. J., May 15 1876

Bought of PETER BALLANTINE & SONS,

BREWERS OF PALE, AMBER, XX ALES AND PORTER,

New York Office, 134 Washington Street.

FRONT ST., FOOT OF FULTON.

To Bond Entry	5
Deposit on Cask	3
Reimbursement	8
P. Ballantine & Sons	
W. Martin	

Newark, N. J., May 15 1876

Mr T. A. Edison Menlo Park

BOUGHT OF **CONDIT, HANSON & CO.,**

IMPORTERS AND MANUFACTURERS OF, AND DEALERS IN

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.,

236 MARKET ST., COR. MULBERRY.

C. HARRISON CONDIT,
JOHN HANSON,
ABRAHAM VAN RENSELR.

Ban 1st Shellac & Alcoline	50	2	
3 Desquichlor Iron dry Pots 75		3 55	
Expressage		60	5 15

Rec't Payt May 19/76
Condit Hanson & Co
per Mc

All reclamations to be made within Five Days from receipt of Goods.

WADSWORTH, MARTINEZ & LONGMAN,
Manufacturer

First Class Railroad Oils,
The Diamond Light Oil,
186 Fire Test for Railways,
For Factories and Family Use,
Gilsofar Engines, Fine Machinery,
Printing Presses and Paper Mills,
Oils for Cotton and Woolen Mills,
Sewing Machines and Painters' Use,
Signal and Binnacle Proof to Sperm Oil.
Also, Sole Agents for the Excelsior Oil Manufacturing Company of Pennsylvania.

TERMS CASH.

New York, May 16 1874

Mr. Thomas A. Edison

Bought of WADSWORTH, MARTINEZ & LONGMAN,

MANUFACTURERS OF

White Lead, Zinc White, Colors, Colored Paints and Varnishes,

ALSO,

Sperm, Whale, Lard, Tallow, Neatsfoot, Cylinder, Engine, and Car Box Oils,

No. 207 PEARL STREET,
(Near Maiden Lane.)

DANIEL WADSWORTH,
ANASTIUS MARTINEZ,
WALTER LONGMAN.

100 Keg Princes Met Paint		2 50	
1 Case "			
10 lbs Dr Sienna in oil	20	2	
5 " " Umber " "	20	1	
2 Met Blue	20	40	
50 gl Keg OP & 100	100	9 00	
Freight		35	
Cpe		50	15 75

Penn RR

Rec'd Payment
Wadsworth Martinez & Longman

N.B.—We do not guarantee delivery or safe carriage of goods. They are at your risk of breakage and of injury in transit, while in our carts.

All Claims to be made within Ten Days after receipt of Goods.

New York, May 19 1874

Mr. T. A. Edison

KEROSENE LAMPS, &c
Agency for
FLINT AND GREEN GLASS
FACTORIES.

Bought of Jeremiah Quinlan,

Druggist's Glass Ware of Every Description,

NET CASH, with Rebates on Bills Tot.

136 & 138 William Street, near Fulton.

		522		
1 Bx	4 doz Flint Undermuds		15 75	
1 Bx	4 doz Strap Inks	15	25 00	
1 Bx	4 doz Salt Mus	18	30 00	
1 "	1 1/2 Rt Vinegar Gum		12 00	
	Cartage		50	83 25

Paid J. Quinlan

Picture Frames
OF ALL KINDS
MADE TO ORDER.
WINDOW SHADES
AND
CORNICES PUT UP.
OIL CLOTHS FITTED.
Weather Strips Applied,
AND OTHER
JOBBING.

Oil Cloths, Druggets, Matting, Agricultural Implements, &c.

CHAS. P. STRONG,
WILLIAM S. STRONG,
JOHN H. P. RANDOLPH.

New Brunswick, N. J. May 18 1876

Mr. Thomas A Edison

Bought of CHAS. P. STRONG & CO.,

Wholesale and Retail Dealers in

Hardware, House Furnishing Goods, &c.,

No. 201 Burnet Street.

TERMS,

3 dy Brackets	115	3 45	
1 gg Screws		26	
1 Scuttleon		10	3 81
	5% Cash		19
N.B. fair 30. Pay Count			$3,62

CHOICE
FAMILY GROCERIES
AND PROVISIONS,
Teas, Coffees, Spices,
KEROSENE OIL,
Fish, Beef, Pork,
Fruit, Vegetables, Etc.

NEW BRUNSWICK, N. J. May 19th 1876

Mr. Edison

To S. C. BALLARD, Dr.

WHOLESALE AND RETAIL DEALER IN

Groceries, Provisions, Flour, Feed, Etc.,

No. 25 Hiram Street.

May 13th	1 Gator Pan	3.00	To Cash	$3.30
" 19	16 Bbl Sugar	24-19-275 lbs	30	25
" "	1 Doz Oranges	80	Bun Rhubarb	75 $36.30

TERMS CASH.

BUTTLER & JOHNSON,
Sash, Blind, Door,
WINDOW FRAME,
MOULDING, TURNING, NEWEL,
BALUSTER AND STAIR RAIL,
BRACKET, PLANING
AND
Scroll Sawing Factory,
John-St., N. Brunswick.
PRIZE MEDAL
PHILADELPHIA 1876.

New-Brunswick, N. J., May 20 1876

Mr. Thos Edison by J. H. Toms

To BUTTLER & JOHNSON, Dr.

MANUFACTURERS OF

Sashes, Blinds, Doors, Mouldings, Turnings, &c.

JOHN-ST., NEW-BRUNSWICK.

April 4	To 9 Sash & 1 Sash Door			$24.30
" 19	" 96 ft Walnut cut to order	15		14.40
" 12	" Sash 256 & 2 Glass	32		2.82
"	" Freight			35
	Rec'd Payment			$41.87
	Buttler & Johnson			

Menlo Park N.J. May 23 1876

Received from Thos A Edison

Eight 47/100 DOLLARS

For hauling machinery — amount in full

J. W. Carman

TERMS CASH.

BUTTLER & JOHNSON.

—S—

Sash, Blind, Door

WINDOW FRAME,

MOULDING, TURNING, NEWEL, BALUSTER AND STAIR RAIL, BRACKET, PANNING AND

Scroll Sawing Factory,

John-St., N. Brunswick.

PHILOMATH PRINT.

New-Brunswick, N. J., May 25 1876

Mr Thos Edison Esq. N. Y. Comm

To BUTTLER & JOHNSON, Dr.

MANUFACTURERS OF

Sashes, Blinds, Doors, Mouldings, &c.

JOHN-ST., NEW-BRUNSWICK.

6	ft Walnut Moldg 12	90
	Sand	75
		165

Pd B

To

May 21 1876

Mr Edison Dr to Wm Bonnell

for Laboratory

May 22	1 12 Days Work	1 37
23	" 2 "	50
"	" 1 " Labor	1 75
24	" 1/2 "	1 37
"	" 1/4	46
	one Bale Cement	1 75
	Six hundred and 600 Brick	6 50
	Sand	75
	Carting	1 00
		$20 95

Recd payment

Wm Bonnell

Newark, N. J., Mar 29th 1876

Mr J. O. Edwards

SAWING, PLANING,
TURNING,
Mouldings, &c.
SASHES, BLINDS & DOORS,
MADE TO ORDER.

W. H. KIRK,
A. FARRON,
E. H. KIRK.

To WM. H. KIRK & CO., Dr.

BUILDERS.

SPECIAL ATTENTION GIVEN TO
HARDWOOD DOORS AND INTERIOR TRIMMINGS,
Jobbing Promptly Attended to.

No. 286 Market Street.

Cash paid your note bill to 1st Apl 5% added (interest being paid before the Date	10	00
		50
	$10	50

Please send check for our acct

Wm H Kirk & Co

ACCOUNTS SETTLED MONTHLY.

NEWARK BOOK BINDERY AND BLANK BOOK MANUFACTORY.

FIRST CLASS JOB AND MERCANTILE STEAM PRINTERS.

Newark, N. J., June 1 1876

Mr T. A. Edison

To WILLIAMS & PLUM, Dr.

Booksellers, Stationers, 777 Broad Street. Printers, Book Binders,

First Class Blank Book Manufacturers.

Mar 31	To 1000 Envelopes 1400-6	1 50		
	1 Ruler 10 cts White Letter	5 00	6 50	
Apr 7	1 Cash Book "Electrical Pneumatics"		3 00	
			9 50	

Rec'd Payment
Williams & Plum

PLUMBING, GAS AND Steam Fitting, ROOFING, BALTIMORE HEATERS, HOT-AIR FURNACES, RANGES, Etc., Etc. TIN, COPPER, AND Sheet Iron Work OF EVERY DESCRIPTION.

WM. DOOLEY, P. J. McDONALD.

New Brunswick, N.J. June 1 1876

Mr Thos A Edison

To DOOLEY & McDONALD, Dr.

PRACTICAL PLUMBERS,

No. 13 Peace Street.

June 1	To 2 Brass Double Filling Couplings @ 2,25	4,50	
			4,50

Reed Payment
P. Dooley & McDonald

H.P. Case 8000

Folio.

MONTHLY STATEMENT.

NEW YORK, June 1 1876

Mr T A Edison
Menlo Park

In account with Wadsworth, Martinez & Longman,
207 Pearl Street.

Net Cash.		
May 16	To Balance,	
"	Mdse.,	15 45

Total

RECEIVED PAYMENT
WADSWORTH, MARTINEZ
& LONGMAN,
per Kelly

Mr.....

We have taken the liberty of making Draft
on you at.....*for amount of*

Metuchen, N. J., June 2 1876

Mr Edison

Bought of **D. G. THOMAS & SON,**
DEALERS IN:
Hardware, Agricultural Implements, Cutlery, Hollow Ware,
AND HOUSE FURNISHING GOODS.

CARPETS,
Mats and Matting,
OIL CLOTHS,
Window Shades,
TABLE COVERS,
Trunks, Satchels,
PAINTS, OILS, &c.
Prefixing Price.

	1 3/4 lb Hny Nail	20¢	42
	4 Hook & Staple	6¢	24
	52 lb Hook Hinge	10¢	5 20
	3 1/4 Bolts 1/4 x 3 1/4	23¢	77
	2 " 3/8 x 5	65	10
	4 Gate Latches & Screw	15	60
	2 pr Bart Brackets	50	1 00
	8 Screws		04
	1 lb 4" nail		05
			8 42
May 29	1 Keg 8 Nail		3 60
	30 lb 20		1 20
			13 22

Rec'd Payment
D G Thomas & Son

New Brunswick, N. J., Mar. 1 1876

Mr. C. Edison
Bought of Howell, DeMott & Co.,

DEALERS IN ALL KINDS OF

Pine, Spruce, Hemlock Lumber and Building Materials.

A FULL ASSORTMENT CONSTANTLY ON HAND. TIMBER SAWED OUT TO ORDER.

TERMS—60 days, or two per cent. off for Cash.

Yards, N. Y. R.R. Freight Depot.

1000 ft. 1" Pine Shelving	@	5 25
500 ft. 12" Pine Board	@	1000
Bill of Materials		132 20
Cash		
Received Payment		
Howell DeMott & Co		
May 11/76		

Railway New Jersey, June 7 1876

Mr Chas A Edison

Bought of JOSEPH WOODRUFF,

MANUFACTURER OF THE PATENT

BALANCE STEAM DAMPER REGULATOR.

88 SEMINARY STREET.

May 16	1 No 3 Steam Damper Regulator	45 00	
	Fixtures & attaching	4 50	
			49 50
	Received Payment		
	Joseph Woodruff		
	per E		

PAINTING
—IN—
All its Branches.
Paints, Oils,
VARNISHES,
Brushes, Glass, &c.
Wholesale and Retail.
TERMS CASH.

New Brunswick, N. J., June 8th 1876

Mr. H. Cornish

To WILLIAM H. JOHNSON, Dr,

Painter, and Dealer in Pure Paints and Oils.

No. 31 CHURCH-STREET.

12½ Atlantic Pure	1 50	
½ gall Oil	33	
		1 83

Paid
Wm H Johnson

Newark Dec 16th 96

Mr Edison

Dr D H Sevaney

$1 17.92

Dr Aunt Bizie
May 29th & Dec 3rd

Paid

J H McDermott

to (June 23)

Mr Edison — Co. to
Money got of Mr Balchedor
and hints $ $25.0
Co. to Check $ $24.00
Since the 23 given

Dr esq to date June the 10th
on work $12.00
due for Cash Paid out
to date bills given in
one for Keplings $ 4.50
one Lid and Oil 1.83
one doz tin and Nails 1.08 $7.41
one of May 24 one Lock to Johnson
one date of 10 Oil
6 Sheets Sand paper
one dozen Screws
50 lb Nonpareil Mallins
Paid out to date in all $3.03

Reed payment
in full to date
HH Cornish

May 23	Cotton on Mr	.40
24	Tobacco date by gillon	.08
24	12 Boxes Matches	.30
26	6 Papers Solace tobacco	.55
	Dr in all esq to June 10th	$2.37
		1.33

Hardware, Cutlery,
AGRICULTURAL IMPLEMENTS,
FIELD AND GARDEN SEEDS,
Fertilizers-Ground Bone, Guano,
Ropes, Twine,
Silver, Wood, and Willow Ware,
Mower, Reapers, and
Looking Glasses,
EDA H. MAINS & BRO., PRS. RAHWAY, N. J.

Rahway, N. J., June 10th 187

Mr J A Edison

Bought of GEORGE W. HALL,

DEALER IN

Hardware, Agricultural Implements, Seeds, Fertilizers, &c.

Agent for the Buckeye Mower. and Wilcox & Gibb's Sewing Machine.

5 Sheets tin ~~nails~~ Solder in Strips	18	.90	
1 lb Fine Nails	18	.18	
		1.08	

Reed payment
G W Hall for
F W Case

Leather and Rubber Belting,
Steam and Gas Pipe,
Brass and Iron Fittings,
Steam Gauges, Oil Cups,
Differential Pulley Blocks, &c.,
Agents for the sale of
Morse Twist Drills and Reamers,
N. Y. Tap & Die Co's Goods,
American File Co's Files,
Cosmopolitan Emery Wheels,
Sturtevant's Blowers and Fans,
Philadelphia Crucibles,
Hunten Governor,
Buffalo Scales,
Worcester Machine Screws.

GEO. C. LATHROP,
S. PARK LATHROP.

Philadelphia, Pa. June 12 1876

Mr Thos A. Edison

LATHROP & CO., late

Bought of WM. B. ARCHER & CO.,

MANUFACTURERS' AGENTS,

AND DEALERS IN

RAILWAY, MILL & MACHINISTS'

SUPPLIES,

TERMS CASH.

No. 200, MARKET STREET.

2 Kegs 10d Nails 3th	6	10
1 " 30d "	3	90
1 " 6d "	3	90
1 " 4d "	3	65
1 " 4d "	4	15
Fgt on same	60	27.50

Recd Payment Lathrop & Co.

June 12 the one doze Boxes
of Matches 30
28 - one doze Boxes 30
28 - one Box Lucifer Matches 10
70

July the 3rd the gallon of Paint
Oil & thinner 27
July 5 the gall Oil 13
- 5 the one gall Oil 25
July 6 the one gall Oil 25
$160

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., (March) 18

Mr Cornish

Please let bearer
Have one doz boxes matches
and charge to Edison
Per Adams

449, Strand.

London, W.C. June 13th 1876.

Mr A Edson Esq

Y. J. C. Riff, 52 Broadway New York.

To Elliott Brothers.

1 Speaking Galvanometer	8	10	
1 Astatic D° Sy Case	2	0	
1 Set of Shunts for D°	3	10	
1 Set Res Coils Q. S.	36		
1 Condenser for Microphone	10		
1 Improved Galvanometer Theodolite	10	10	
Carriage Packing	1	15	
Consuls Certificate	12	10	
	£	90.	17. 10.

26th Sep 1876

Recd

for Elliott Bros

W. Bossed

45

Office of MERRIAM & MERWIN,

Manufacturers of

BUILDING BRICK,

J. I. Merriam,
A. M. Merwin.

South Amboy, N. J. June 14th 1876

Mr. Edison

To Asaph Merwin Dr.

May	*20th*	*1600*	*Hard Brick @ 8.00*	*12.80*
	21	*800*	*" "*	*6.40*
June	*2*	*1600*	*" "*	*12.80*
	6	*1600*	*" "*	*12.80*
	8	*800*	*" "*	*6.40*
	9	*800*	*" "*	*6.40*
	10	*4800*	*" "*	*38.40*
			Bal. Due	$ *96.80*
			Cred. by Cash	*25.00*
				$ *71.80*

Rec'd payment in full Asaph Merwin June 24

ALL ACCOUNTS TO BE SETTLED MONTHLY.

ALL KINDS OF BELTS MADE.
OLD BELTS REPAIRED.
Best Quality Lace Leather.
Leather for Emery Wheels.
ENDLESS EMERY BANDS
Made to Order.
Walrus or Sea Horse Leather.
(Customers will please send Written Orders.)

Newark, N. J., *June 15* 1876

Mr. T. A. Edison

Bought of **Chas. W. Walker,**
Successor to A. CHENEY & CO.,
MANUFACTURER OF
CUSTOM MADE OAK TANNED LEATHER BELTING,
No. 288 MARKET STREET.

Feet of inch Oak Belting, @		
Set of Lace	*1*	*00*
Received payment		

New York, June 16 1876

Mr T A Edison Menlo Park N.J.

TERMS CASH.

Bought of GEORGE PLACE, Agt.

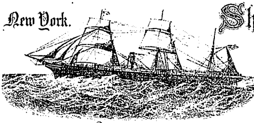
DEALER IN

Cold Rolled Shafting, Self-Oiling Adjustable Hangers, Pulleys, &c.

Iron and Wood Working Machinery of Every Description.

121 CHAMBERS and 103 READE STREETS.

1 Spindle & Whirl for 2nd hd Milling Mch.	$9.77



New York.

Shipped in good order and well conditioned by D. & C. MacIver, of Liverpool, as agents on and upon the Steam Ship called the Wyoming whereof is Master for the present Voyage .... or whoever else may go as Master in the said Ship, and now lying in the Port of LIVERPOOL, and bound for NEW YORK, via Queenstown

One Case Electrical Instruments

being marked and numbered as in the margin and are to be delivered in the like good order and well conditioned at JERSEY CITY, being within the jurisdiction of the Custom House of the aforesaid Port of NEW YORK, (the act of God, the Queen's Enemies, Pirates, Robbers, Thieves, Vermin, Barratry of Master or Mariners, Restraints of Princes, Rulers, or People, loss or damage resulting from insufficiency in strength of Packages, from sweating, leakage, breakage, or from stowage or contact with other goods, or from any of the following perils, whether arising from the negligence, default or error in judgment of the Master, Mariners, Engineers or others of the Crew or otherwise howsoever, excepted, namely Risk of Craft, Explosion or Fire at Sea, in Craft, or on Shore, Boilers, Steam or Machinery, or from the consequence of any damage or injury thereto, howsoever such damage or injury may be caused, Collision, Stranding, or other peril of the Seas, Rivers, or Navigation of whatever nature or kind soever, and howsoever such Collision, Stranding or other peril may be caused, with liberty (in the event of the said Steamer putting back to Liverpool, or into any Port, or otherwise being prevented from any cause from proceeding in the ordinary course of her Voyage) to tranship the goods by any other Steamer, and with liberty to sail with or without Pilots, and to tow and assist Vessels in all situations,) unto

as addressed

or to his Assigns. Freight for the said Goods to be paid at New York as per margin, with Primage and Average accustomed. **In Witness** whereof, the Master or Agents of the said Ship hath affirmed to 2 Bills of Lading, all of this tenor and date, the one of which Bills being accomplished, the others to stand void.

Dated in **LIVERPOOL**, June 16th 1876

J C R
Rm 37 & 38
1 Case Yd No 5213
Mr Thos A. Edison
c/ Mr J. C. Reiff
New York

Charges - 12. 8

Freight on 15 ft. 8 in. per ton £ 1. 1. 0
Primage
Total £ 1. 13. 8

WEIGHT, CONTENTS, MEASURE, QUALITY, BRAND AND VALUE UNKNOWN, and not answerable for Leakage, Breakage, or Rust. The Goods to be taken from alongside by the Consignee immediately the Vessel is ready to discharge, or otherwise they will be landed by the Master and deposited at the expense of the Consignee, and at his risk of Fire, Loss, or Injury in the Warehouse provided for that purpose on the Steam Ship Wharf at Jersey City, or elsewhere, or sent to the Public Store as the Collector of the Port at New York shall direct, and when deposited in the Warehouse to be subject to Storage, the Collector for the Port being hereby authorised to grant a general order for discharge immediately after entry of the Ship. Ship not accountable for any item exceeding £100 p. Package for goods of whatever description, unless the value is declared and Freight as may be agreed paid thereon. In accepting this Bill of Lading the Shippers or other agent of the owner of the Property carried, expressly accepts and agrees to all its stipulations, exceptions and conditions whether written or printed.

Freight if payable in NEW YORK, will be collected in Currency or Gold at the current rate of Exchange [illegible] Ship's arrival.

[signature]

PRINTED BY TURNER & DUNNETT, LIVERPOOL.

Metuchin, N. J., June 19 1876

Stoves, Ranges, Heaters,
KEROSENE LAMPS.
PLUMBING & GAS FITTING.

Mr Thos A Edison

To A. B. WINANS, Dr.,

Near the Depot.

May	20	To Hanging Lamps	3	00
		Received Payment		
		A. B. Winans		

Mr Thos Edison

To Isaac N. Skidmore Dr

To amt of acct to date
as per pass book $ 51.73

Wednesday 21
June 19 1876

Recd Payment by CK 30.00
balance in full 21.73

Isaac N. Skidmore

Metuchen. N. J. June 19th 1876

Mr Thos A. Edison

To MANNING FREEMAN, Dr.,

DEALER IN

Coal and Lumber.

To 2 Tons Egg Coal @ $ 14.00

Rec Payment June 28th 1876

Manning Freeman
per MWF

Mr. T. A. Edison June 23/76

Folio 13 Bought of **D. F. COLES,** 158 MAIN ST.,

DEALER IN

Drugs, Medicines, Chemicals, Patent Medicines, Paints, Oils, Varnish, Window Glass, Putty, Books and Stationery, Paper Hangings, Fancy Goods, Confectionery, &c., &c.

Terms

STEB. PR.

June 22	To 5 Gall Linseed Oil @ 70		3 50

Recd payment
D. F. Coles
for T. A. Edison

Menlo Park June 23 1876.
Recd of T A Edison
forty five dollar check
in full to date
C. D. Wyman

T. A. EDISON, NEWARK, N. J.

10 & 12 Ward St., 18

Menlo Park June 23 1876

Recd of Thos A Edison
twenty seven dollars
being balance due
to date,
Charles W. Moffett

Menlo Park June 24th 1886

T. A. Edison 188

To W. M. Thomell Dr

June 14		
14	Bal due 4 lbs Butter	2.124
14	Candy 06. 1 gall Cider 48.	54
15	5 qts milk 40. 4 Bread 32.	72
15	Cartage 25. 15 5 qts milk 40. Ham 27.	92
16	Lorenzo 50. Meal 14. Seed 40.	104
16	14 Bread 32. 7 milk 56. Bread 48	136
17	Rice 20. 8 Berrys 20. 14 milk 40.	80
19	Milk 40. Bread 40. Peaches 28.	108
	1 14 lb Cheese 25. Cider 24. 30 milk 40	89
20	Pepper 10. Para Coffee 42. 10 lb Flour 242.	
21	Salmon 50. Tomato 32.	82
20	New Potatoes 23. Bread 16.	29
"	Beets 20. Radishes 12. Bread 33.	45
	10 lb Flour 50. Lemon Sugar 40.	90
	6 Cakes 10. 21 Bread 16. 7 milk 40	66
21	Jelly 20. Figs 20. Bread 32. Rice 20.	62
	Bread 24. Peas 12. Candy 10. 22	46
22	5 qts milk 40. 15 qts Strawberrys 220	
23	5 " " 40. Bread 32. Peas 18.	90
23	Potatoes 09. Oatmeal 20. Milk 12.	51
24	Cartage 25. Cocoa 25. Milk 40.	90
	Baking Powder 15 Bread 24.	39
	Beets 16. New Potatoes 100	116
	Peas 36. Buttermilk 12.	48
25	6 qts milk 48.	48
26	5 " " 40. Bread 24.	64
	2 lb Rice 20. Corking Water 25.	45
		$8.43.3
26		
27	Lemon Sugar 40. 47 Freight paid	61
	Milk 40. 15 lb Ham 270	3.10
28	" 40. 2 lb Butter 64.	1.04
28	Salt 70. Cartage 25. Lorenzo 24	79
28	Bread 40. Snaps 16. Salmon 25.	81
28	Milk 16. Lavement 25.	41
		$8.10.19

Received Payment

W. M. Thomell

Menlo Park June 24th 1876

T. A. Edison will please pay to W. M. Thomall or order the sum of eleven dollars & fifty cents & charge to a/c of

J. Rowbury.

W. Rowbury
A. J. Rowbury

Metuchen, N. J. June 28 1876

Mr Thos A Edison

BOUGHT OF **MANNING FREEMAN,**

DEALER IN

Coal, Lumber, Masons' Material & Fertilizers

50 12 pine Bals 6in 16ft @ 96 ft	6 1/2		4 32
" 16 ft " "		50	8 00
" 6 " " 10in		31 00	1 80
			6 92

Rec payment

Picture Frames
OF ALL KINDS
MADE TO ORDER.
WINDOW SHADES
AND
CORNICES PUT UP.
OIL CLOTHS FITTED.
Weather Strips Applied,
AND OTHER
JOBBING.

Oil Cloths, Druggets, Matting, Agricultural Implements, &c.

CHAS. P. STRONG,
WILLIAM H. STRONG,
JOHN H. F. SANDERS.

New Brunswick, N. J. June 26 1876.

Mr Thos A Edison

Bought of **CHAS. P. STRONG & CO.,**

Wholesale and Retail Dealers in

Hardware, House Furnishing Goods, &c.,

No. 201 Burnet Street.

TERMS,

7 Wrdy Butts 1.10		64
3 lbs 8d Fin clasp	5	15
3 lb 6 " "	5	17
1 gro 1 x 18 screws 20	1 pr Butts	26
		1 22
Rec Payment		
Chas P Strong & Co		30
	Duchand	52

Mr T.A. Edison Dr to
F. Thornall

Apr 1876		
19	to carting 1 load	.50
22	to plowing 1/2 day	2.00
27	to hauling machines to Ear	2.00
27	to Abraham hilling 1/2 day	.75
May 4	Mrs Edison had Horse 1/2 day	2.00
6	to hauling up box of Machinery	1.00
10	Abraham & team plowing 1 day	4.00
June 6	Mrs Edison had Horse 1 day	2.00
8	Abraham & team going for Cement	1.00
~~21~~	~~to packing Material~~	~~1.00~~
28	Mrs Edison had horse part day	1.25
		$16.50

Recd. Payment

Frederick Thornall

4 BOWLING GREEN.

No. 58/11 New York, June 28 1876

Mr Thos. A Edison

To the Royal Mail Steamship "ABYSSINIA" Dr.

For Freight and Charges from Liverpool.

CURRENT MONEY ONLY RECEIVED. C. G. FRANCKLYN.

MARKS AND NOS.	DESCRIPTION.	WEIGHT OR MEASURE.	RATE.	AMOUNT. £	S.	D.	AT	5.50
ap	1 case			1	13	8		9 27
								3 [illegible]
								16 1 2
							2 01	6 [illegible]
							2 1	7 72
							2	
								2 1 2

Received Payment, July 27 1876
C. G. FRANCKLYN.
Per J. Monahan

All reclamations to be made within Five Days from receipt of Goods.

Wadsworth, Martinez & Longman
Manufacturers

First Class Refined Oils,
The Diamond Light Oil,
100 Fire Test for Railways,
For Factories and Family Use,
Other Engines, Fine Machinery,
Printing Presses and Paper Mills,
Oils for Cotton and Woolen Mills,
Sewing Machines and Painters' Use,
Signal and Illuminate Equal to Sperm Oil,
Also, Sole Agents for the Excelsior Oil
Manufacturing Company of Pennsylvania.

TERMS CASH.

New York June 30 1867

Mr. J. A. Edwin (Meals Cash)

Bought of WADSWORTH, MARTINEZ & LONGMAN,

MANUFACTURERS OF

White Lead, Zinc White, Colors, Colored Paints and Varnishes.

ALSO,

Sperm, Whale, Lard, Tallow, Neatsfoot, Cylinder, Engine, and Car Box Oils,

(DAVID WADSWORTH,
JOSEPH MARTINEZ,
WINTHROP LONGMAN.)

No. 207 PEARL STREET,
(Near Maiden Lane.)

30 gl Bbl T P L 13	1.90	57	00
1 Patent can			165
5 gls Raw Lin oil	63	3	15
5 " Boiled "	68	3	40
1 Patent can			95
5 gls turpentine	38	1	90
1 Brc			25
10 lbs Putty			35
1/2 can French			

RECEIVED PAYMENT
WADSWORTH, MARTINEZ
& LONGMAN.
per Chas. H. Wadsworth

Freight

P R R

TERMS CASH.

COPPER, TIN
—AND—
Sheet Iron Work
TO ORDER.
Hot Air Furnaces,
Kitchen Ranges,
&c., &c.

WM. HOWARTH,
JOHN HOWARTH.

Newark, N. J., June 1st 1877

Mr. Thomas A. Eddison

To Howarth Brothers Dr.

Practical Plumbers,

304 Market Street & No. 1 Ward Street.

1876					
June	10th	To 151 lb Lead Pipe at 12	$18.12		
	"	Car Freight	.25		
	15th	6 lb Lead pipe at 12	.72		
	"	18 lb Solder at 30 $5.40 Coal 25	5.65		
	"	2 Hose Bill Ends at 30 .60	.60		
	"	2 - 5/8 Finished Stops at $1.35 2.70	2.70		
	"	1 days work $3.50 1 day $2.00 Car Fare $1.50	7.00		
	16	2 3/4 Lever Handle Rough Stops at $1.75	3.50		
	"	1 Inch Bell for Iron pipe	1.35		
	"	72 feet of 3/4 Iron pipe at 9.	6.48		
	"	7 3/4 Ells at 12. .84 7 3/4 Couplings at 12 .84	1.68		
	"	3 3/4 Tees at 16 .48 3 3/4 Unions at 28 .84	1.32		
	"	3 3/4 Nipples at 9 .27 Freight on R Road .25	.52		
	"	1 days work $3.50 - 1 day $2.00 Car Fare $1.50	7.00		
	17	To Coal 20. 12 day Map - Screws 6.	.26		
	"	1 Wash Stand Plug $1.75 1 Sink Plug $1.67	3.42		
	"	1 Pantry Plug $1.65	1.65		
	"	6 feet of Brass Chain at 12.	.72		
	"	8 hours work at 33 1/3 2.30 8 hours at 30 1.60	4.40		
		Rail Road Fare	1.50		
	21	50 feet of 2 inch Iron pipe at 30	9.00		
	"	6 - 2 inch Hook at 5 .30 1 3/4 Hose Coupling .50	.80		
	"	Freight on Iron pipe	.10	$78.77	
1876					
June	17	6 & 7 By 63 lb Lead pipe at 12 $7.56 12 lb Solder .30	11.16		
	"	By 1 - 3/4 Lever Handle Stop	1.75		
	"	By 1 - 5/8 Lever Handle Finished Stop	1.35		
	"	By 1 - 3/4 Tee .48 - 4 3/4 Couplings at 12 .48	.64		
	"	By 1 - 3/4 Ell 12	.12	15.02	
				$63.75	
July	6	Received Payment - Howarth Brothers per [illegible]			

New York, June 30 1876

Mr T A Edison Menlo Park

Bought of **GEORGE PLACE, Agt.**

DEALER IN

Cold Rolled Shafting, Self-Oiling Adjustable Hangers, Pulleys, &c.

Iron and Wood Working Machinery of Every Description.

121 CHAMBERS and 103 READE STREETS.

Making Slide Bed for		
Milling Mch	26.82	
Repairing Vise	5.50	32.67

Menlo Park N J July 1 1876

Recd of T A Edison Twenty four dollars in full for (30) Thirty Irons — J A Carman

Newark, N. J., July 5 1876.

Mr. J. T. Coburn

Bought of **CONDIT, HANSON & VAN WINKLE,**

EXTRA

CONDIT, HANSON & VAN WINKLE

TRADE MARK

DEALERS IN CHEMICALS, APPARATUS AND VARNISHES

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.,

236 MARKET St., Cor. MULBERRY.

1 Gal Nonpareil Varnish	5	1600
49 Bottles		1920
Cash		43
		1496

Received Payment
Condit Hanson & Van Winkle

Monthly Estate

Co. Plainfield

July 1 1876

Mr Calhoun Bought of

P. Higgins

Bill approved

from Sept 4 to date

Sugar 1 Bill at $1.11

Received Payment

P. Higgins

Brass & Composition
CASTINGS
Of every Description
Furnished to Order or
Pattern,
with
Punctuality and Dispatch.

Terms Cash.

New York, July 5 1876

Mr Butchlor

Bought of ~~**Walter E. Clark,**~~

John Dunn

Brass Founder and Finisher,

No. 148 Centre Street.

Constantly on hand, Brass Knobs, Escutcheons and Drops of all sizes, Bell Pulls, Sockets, Sconces, Ship and Steamboat work, etc., etc.

26 lbs. 8 ozs. Casting at 60. Cents		16.00
		14.
Received payment		
John Dunn		

Newark, N. J., July 7 1876.

Mr J. T. Edison Menlo Park N. J.

Bought of **CONDIT, HANSON & VAN WINKLE,**

IMPORTERS AND MANUFACTURERS OF, AND DEALERS IN

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.,

236 MARKET ST., COR. MULBERRY.

EXTRA CONDIT, HANSON & CO. LOCKWOOD NEWARK TRADE MARK

C. HANSON CONDIT,
JOSEPH HANSON,
ABRAHAM VAN WINKLE.

11 Lbs Blue Vitriol.			
348 (50) 348	10	34 80	
Lb Refined		2 2	35 02

W. H. Condit Hanson & Van Winkle

Menlo Park July 8th 1876.

T. A. Edison

To W. M. Thomall Dr

date		$	Cts
June 29	5 qts milk 40. 4 Bread 32. ½ lb S Beef 25.		86
	Can Lobster 25. ½ bu New Potatoes 100.	1	25
30	5 qts milk 40. 5 Bread 24. 2½ lbs Butter 80.	1	44
	Can Peaches 25. Haunting Pole 50. Cider 20.		95
	Carting Ice box & bbl 25.		25
July 1	1 lb Coffee 42. 5 qts milk 40. Bread 25.	1	07
	Carting Paint 25. Fly paper 20. 5 Bread 40		85
	180 ft Lime 80. Prepared Cocoanut 25.	1	05
	2 lbs Currants 32. 2 lb Layer Raisins 48.		80
	1 lb cooking Raisins 16. Vanilla Ex 25. Eggs 20.		61
	Milk 08. 1 Mustran 40. 6½ qts milk 52. Bread 24	1	24
" 3	5 qts milk 40. Peppermint 10. Butter milk 12.		62
	Tacks 10. 5 qts milk 40. Bread 32. Eggs 20.	1	02
" 4	Eggs 20. 1 pk Peas 20. 1 lb Ginger Snaps 16.		66
	Milk 16. Candy 50. Butter milk 16.		82
	Fire crackers 50. Rockets 40. Pin Wheels 06.	1	16
" 5	Milk 40. 1 lb Coffee 42. Carting Water 25.	1	07
	Bread 32. 1 lb S Beef 25. 1¼ lb Cheese 22.		82
	Milk 16. 5 Milk 56. Eggs 20.		92
" 6	Butter tub 10. Bread 40. Clothes Pins 06		56
" 7	Milk 40. Bread 32. Milk 16. Sugar Bowl Bent 40.	1	28
" 8	" 40. 11 lb 13 oz Ham 213. Pepper 10. Eggs 50	3	13
	Bread 64. Biscuits 14. ½ bu Potatoes 100. Muskmelon 20	1	98
	Tomatoes 32. Corn Starch 14		46
" 7	Carting Kerosene 25.		25
" 8	Butter 64.		64
		25	77

Rec Pay
Mr. W. Thomall

Metuchen, N. J. July 13th 1876

Mr Thos A Edison

Order of Bruce

BOUGHT OF MANNING FREEMAN,

DEALER IN

Coal, Lumber, Masons' Material & Fertilizers

48 ft Shelving Pcs	3½c	1	68
4 Plan Pcs	"	20	80
7 ft Ceiling	$42	3	02
2 pine Sticks	26	52	6 02

Rec'd payment

Edison's Electrical Pen & Duplicating Press Co.

41 DEY STREET,

NEW YORK.

MANUFACTORY:

MENLO PARK. N. J.

P. O. Box 3207.

New York, 187

Menlo Park N J July

Received of Thos A Edison Thirteen dollars & Seventy five Cents. in full to date for all demands

M G Rodney

Newark, N. J., July 14 1876.

Mr T. A. Edison Menlo Park N.J.

EXTRA CONDIT, HANSON & CO. EXTRACT LOGWOOD NEWARK N.J. TRADE MARK

Bought of **CONDIT, HANSON & VAN WINKLE,**

IMPORTERS AND MANUFACTURERS OF, AND DEALERS IN

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.,

236 MARKET ST., COR. MULBERRY.

C. HANSON CONDIT, JOHN HANSON, ABRAHAM VAN WINKLE.

3 Analine Oil	75	2 25
Bot for Bottle	30	60
Express Chgs Prepaid		30
		3 15

Received Aug 28 1876.
Condit Hanson & Van Winkle
per Ritz

Checked — 315
587
527
562
2091

Metuchen, N. J. July 15 1876.

Mr Thos A. Edison

BOUGHT OF **MANNING FREEMAN,**

DEALER IN

Coal, Lumber, Masons' Material & Fertilizers

84 ft 4/4 pine PCR	5¼	4 41	
144 ft " Cedar	4	5 76	
48 ft " Pale	3½	1 68	
3 pk 2 x 3-13 ft	13	39	
16 ft pine Pale	5	80	12 90

Rec'd payment

Jersey City Station, Aug 19 1876

Mr T. A. Edison
Menlo Park
Seeds 28 23 63

COMMERCIAL EXPRESS LINE.
JOHN BALLARD, Ag't, 176 Broadway, New York.

Rec'd payment for the Company, J. B. Ballard

To THE ERIE RAILWAY COMPANY Dr.,
For Freight and Charges From Newark

Mo. Freight Bill No. 28
Date of W. B. July 14 Car No. 4611 Barge 46

Date of W. B.	No. Packages	DESCRIPTION	Through Rate	Distance	FREIGHT
	1	1 Wpac Material			20 50
		Freight			2 00
		Cartage			25
		Barge 707 Mi.			22 32

Menlo Park, N. J., July 21 1876

Mr. Thomas Edison

Bought of **D. G. THOMAS & SON,**

CARPETS, Mats and Matting, OIL CLOTHS, Window Shades, TABLE COVERS, Trunks, Satchels, PAINTS, OILS, &c. Producers Press.

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

1 Mulbanner	3 25
1 Manure Fork	1 00
1 Carry Comb & Brush	2 00
1 Whitewash Brush	70
1 Sponge	40
	$7.85

Recd Payment
D. G. Thomas & Son

Menlo Park July 21st 1876

Mr. T. A. Edison

To New Jersey Express Company, Dr.

To Freight on 1 Box from N. Y. $ .40

To ~~Back Charges paid at~~ C.O.D. 24 .25

$0.65

Received Payment for the Company, M. L. M. Hurley

PRINCIPAL OFFICES
59 BROADWAY, NEW YORK.
FERRY BUILDING, foot Cortlandt St. "
N. J. So. R. R. Pier, "
608 MARKET STREET, NEWARK.
531 CHESTNUT ST., PHILADELPHIA.

Newark, N. J. July 7 1876.

Mr T. A. Edison Menlo Park N.J.

EXTRA CONDIT, HANSON & VAN WINKLE LOCHWOOD NEWARK N.J. TRADE MARK

Bought of **CONDIT, HANSON & VAN WINKLE,**

IMPORTERS AND MANUFACTURERS OF, AND DEALERS IN

Acids, Alkalies, Dye Stuffs, Shellac, Alcohol, &c.,

236 MARKET St., COR. MULBERRY.

C. HANSON CONDIT,
JOSEPH HANSON,
ABRAHAM VAN WINKLE.

Bot 2 oz 6 1/2 Bi Sulph Carbon	60	1 90
Bot 1/2 1 Pt Pulpd 12		3 24
		5 14

Received July 2 1876
Condit Hanson & Van Winkle
per [illegible]

Newark, N. J. July 25 1876

Mr Mr A Edison

Bought of LATHROP & CO.,

[LATE WM. B. ARCHER & CO.,]

IMPORTERS, MANUFACTURERS' AGENTS,

AND DEALERS IN

RAILWAY, MILL & MACHINISTS' SUPPLIES,

No. 200 MARKET STREET.

Leather and Rubber Belting,
Steam, Gas and Water Pipe,
Brass and Iron Fittings,
Steam and Piston Packing,
Oil Cups and Lubricators,
Portable Forges, &c.

AGENTS FOR

Morse Twist Drills and Reamers,
N. Y. Tap and Die Co's Goods
Worcester Machine Screws,
Phila. Machine Bolts & Washers,
Benjamin's Feed Water Heaters,
Sturtevant's Blowers and Fans,
Wellington Mills Emery,
Cold Rolled Shafting,
Pickering's Engine Governor,
Lehigh Emery Wheels,
Knowle's Steam Pumps,
Cleveland Set & Cap Screws.

CHAS. C. LATHROP,
S. PARK LATHROP.

TERMS CASH.

5 pr 10" L. T. Hinges	1 27	
3 " 12" B. H. Plane irons	2 64	
1 pr Dy Screws	19	
24 pr Iron Rays 9 ft	2 88	
15 lb 8d Wrot Nails 25	3 75	
		9 43
1 Gr 1 #10 Screws		35
		9 78

N. Y. Cst. No. 353.

Custom House, New York.

CASHIER'S OFFICE,

July 27, 1876

Name,

Gold	180	80
Notes		
Silver	Duties on	
Certificates	Edison Investments	
Total		

Cashier.

Menlo Park July 29 1876

Mr Edison Dr to J. Vansickle

July 25	To 4 new Shoes	2.00
29	To 4 wheels Hoeft	3.00
"	To Mending 1 Boiler	25
		$5.25

Received Pay
J. Vansickle

Menlo Park N.J. July 28 1876

M. T. A. Edison

Bought of JOHN S. BISHOP.

OFFICE AND DEPOT AT BOUND BROOK, N. J.

30 1.	Feet of Lightning Rods, at	60	20
	Received Payment. J S Bishop		

CARPETS, Mats and Matting, OIL CLOTHS, Window Shades, TABLE COVERS, Trunks, Satchels, PAINTS, OILS, &c. Freeholds Free.

Metuchen, N. J., July 31 1876

M. Thomas Edison

Bought of **D. C. THOMAS & SON,**

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

July 27	27½ lbs Hinges	2 75
" 1	6 gr 1½ 14 screws	56
" 1	1 Latch	15
" 1	1 Knob	05
31 1	Hay Cutter	9 00
		12 44
	Cr By 5 gr T Hinges	90
		11 54

Rec'd Payment
D C Thomas & Co

ACCOUNTS SETTLED MONTHLY.

NEWARK BOOK BINDERY AND BLANK BOOK MANUFACTORY.

FIRST CLASS JOB AND MERCANTILE STEAM PRINTERS.

Folio, 49 ct

Newark, N. J., Aug 1 1876

Mr Thos A Edison

To WILLIAMS & PLUM, Dr.

Booksellers, Stationers, 777 Broad Street. Printers, Book Binders,

First Class Blank Book Manufacturers.

July 13	Bal Rec'd 10th Inst		
24	3000 Envelopes 1056-6 Cx		4.25
	Carr & Printed on		14.15
	Paid Aug 4/76		18.40
	Williams & Plum		

MONTHLY STATEMENT.

Newark, N. J. Aug 1st 1876

Mr Thos A Edison

To Lathrop & Co., Dr.

No. 200 MARKET STREET.

TERMS CASH—30 days.

July 15	Mdse per Bill	9.75
22	Mdse per Bill	9.40
	Rec'd Payment	
	Lathrop & Co	

Aug 1st

Balance	208.20
Paid Litter	168.39
Cash	40.53
	40.53

Belmontown, N. Y., Aug 2 1876

Mr Thos Edison

CARPETS,
Mats and Matting,
OIL CLOTHS,
Window Shades,
TABLE COVERS,
Trunks, Satchels,
PAINTS, OILS, &c.
Fine-wire Print.

BOUGHT OF D. G. THOMAS & SON,

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

TERMS CASH.

25 lb Lath Nail	7	1.75
25 " 8 Nails	4	1.00
		2.75

Recd Payt
D. G. Thomas & Son

Metuchen, N. J. Aug 4th 1876

Mr Thos A Edison

BOUGHT OF MANNING FREEMAN,

DEALER IN

Coal, Lumber, Masons' Material & Fertilizers

Juna 27	To	1 Ton Stove Coal		7 00		Shop
	28	" 96 ft pine Bds 6 & 16 ft	2 1/2	4 32		Shop
		" 16 ft " "	1 50	1 80		Shop
		" 6-4/8 " "	30	1 80		Shop
July	3	" 5 1/2 Tons Gross Coal around House	5 00	35 75		Shop
	12	" 48 ft Sheeting Bds	3 1/2	1 68		"
		" 4 Elm "	20	80		"
		" 72 ft Ceiling	$4 1/2	3 02		"
		" 2 " Sticks	2.6	5 2		"
	15	" 84 ft 5/8 Pine	5 1/2	4 41		Potter
		" 144 ft " Ceiling	4	5 76		"
		" 44 ft " Bds	3 1/2	1 54		Shop x
		" 16 ft " "	5	80		"
		" 3 Sp 2-3-13 ft	13	39		Shop
	17	" 72 ft Siding	$22	15 44		
		" 160 ft Sheeting	3 1/2	5 60		
		" 26 ft Moulding	5	1 30		
		" Carting		50		
	21	" 42 ft Siding	$2 1/2	9 2		
	22	" 3 Elm 2x4-13 ft	12	51		
		" 20 pine Bds	25	5 00		
		" 70 ft " "	4 1/2	3 15		
	28	" 16 Elm 2x4-18 ft	24	3 84		
		" 12 " 2x4-13		2 04		
		" 30-7/8 Roof Sath	7	2 10		
		" 56 ft 7/8 pine Pipe	5	2 80		
		" 57 ft 7/8 " "	4	2 28		
		" 80 ft " Bds	3 1/2	2 80		
		" 2500 Sath	2 50	6 25		
		" 6 Bbls Lime	1 15	6 90		
	31	" 121 ft pine Bds	3	3 63		
		" 31 ft " "	4	1 24		
		" 20 Mated " "	35	7 00		
		" 1-7/8 Sp Pine		25		
Aug	3	" 80 ft Sheeting	3 1/2	2 80		
		" 1500 Sath	2 50	3 75		
		" Carting		75		
	4	" 1 Bbl Cement		1 75	151. 19	
		Bill Rendered			365 88	
					$517. 07	
		Cr By Cash Checks			300. 00	
				Bal	$217. 07	

CARPETS,
Mats and Matting,
OIL CLOTHS,
Window Shades,
TABLE COVERS,
Trunks, Satchels,
PAINTS, OILS, &c.
Production Press.

Metuchen, N. J., Aug 4 1876

Mr Thos Edison

Bought of **D. G. THOMAS & SON,**

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

3 pr Acorn Bulls 3 x 3		35	
1 " Bull 2½ x 2		07	
3 doz Screws 1¼	7	21	
1 " " 1		06	
3 Rim Locks	40	1 20	
3 Mortise Rim Knobs	15	45	
1 Staple		08	
2 Cup Catches	12	36	
2 Bx Pulls & Screw	7	14	
8 Hooks & Staples	5	40	
6 Hasps & "	8	48	
1 Spring Pad lock		1 00	4 80
2 Hooks & Eyes			10
			4 90

Recd Payment
D. G. Thomas & Son

CARPETS,
Mats and Matting,
OIL CLOTHS,
Window Shades,
TABLE COVERS,
Trunks, Satchels,
PAINTS, OILS, &c.
Production Print.
TERMS CASH.

Metuchen, N. J., Aug 5th 1876

Mr Thomas Edison

BOUGHT OF **D. G. THOMAS & SON,**

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

2 Well Buckets	2 00	
6 3/4 lbs Rope	1 33	3 33

Recd Payment
D. G. Thomas & Son

(Terms — Net Cash on delivery)

Mr. Thos. E. Edison, — Menlo Park, N.J.

Platinum, Apparatus, Vessels, Fluid, Wire, etc. for all Laboratory & Manufacturing Purposes. Scrap, and Ore purchased.

Bought of H. M. Raynor,

25 Bond Street, New York, Aug 8th 1876

3 Os Wire Shed	850		$25 50

Rec'd Pay
M. L. Sullivan Agt
N.Y. & E. R.R.

Dealer & Agent & Depot for the U. S. for

Edmund Wheeley's Prize Class MICROSCOPIC OBJECTS.

TO THESE ARE ADDED A Choice Selection of the finest Preparations by Topping, Moller, Burgogne, and other American and Foreign Artists.

New York, August 8th 1876

Mr. T. A. Edison Menlo Park

Bought of MILLER & BROS.,

Manufacturers and Importers of FIRST-CLASS

Achromatic Microscopes, Telescopes, Opera and Field Glasses,

AND OPTICAL GOODS GENERALLY,

69 NASSAU STREET, corner John,

1223 BROADWAY, near 30th Street.

TERMS CASH.

1/2 Doz Glass Slds	3 feet focus	each 25¢	1.	50
1/2 —	4. —	— —	1.	50
1/2 —	5. —	— —	1.	50
1/2 —	6. —	— —	1.	50
			$6.	00

And Charges

Received Payment
Miller Bros

SALES 5
PAGE 172

All Claims to be made within Ten Days after receipt of Goods.

N. B.—We do not insure delivery or safe carriage of goods. They are at your risk of breakage and Transportation after shipment from our store.

New York, Aug 11 1876.

Mr T. A. Edison Menlo Park N J

Sole Agents for FRY'S PATENT POCKET FLASKS, &c.

MANUFACTURERS OF
Glass Syringes, Homœopathic Vials, Nursing Bottles
Sweat Pumps, Tinctures, Spice Jars,
Soft Shells, Prescription Vials, Infusing Bottles, Specimens, Funnels, Nipple Shells, Graduated Measures, Parenteric Pills, &c., &c.
Together with a full assortment of
DRUGGISTS', CHEMISTS' AND APOTHECARIES'
GLASS WARES.
Private Moulds made to order.

Bought of HAGERTY BROS. & CO.

Nos. 8 and 10 PLATT STREET,

TERMS, NET CASH, with Exchange on New York. *Between Pearl & Gold Streets.*

CONVEYANCE, Ex

Rec 25 00	55	13 lbs Glass Tubing assrt	30		7	61	
		3 " " Rods	"	Pc		53	0 85
		Cash					
		Sent all by express			Mr. M. Kinsey Agt N.Y. & E. R.		

Rec'd Railway Aug 11th 1876 of Thos. A. Edison One Hundred & Ninety Dollars for Carriage - Said Carriage to be returned & Money in full refunded Tomorrow (Aug 12th) if not satisfactory to the said Edison

D. B. Dunham
for J. H. Ackerman

Menlo Park N.J. Aug 14/76

Recevoid of Thos A Edison Thirty two dollars & fifty $32.50 in full to date,

Frank F. Table

Metuchen, N. J. Aug 15th 1876

Mr Thos A Edison
for Pen Manf Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

To 30 pine Bds 6 in 16 ft 2¾	$ 840
" One Ton Broken Coal	700
	$ 1540

South Plainfield, N. J. Aug 10 1876

Mr Edison

CHOICE LIQUORS. For Family and Medicinal Use.

C. P. Higgins, Dr.

DEALER IN

Choice Family Groceries, Provisions, Flour, Feed, Grain, &c.

Terms Cash. Opp Depot, SOUTH PLAINFIELD AVE.

Aug 5 Bill of groceries 14.36
" 14 " " " 18.30
" 30 " " " 7.78
Aug 5 " " " 4.13
$ 44.57

Received Payment
C. P. Higgins

Drawing Materials and Instruments, Profile Paper, Microscopes and Accessories, Opera Glasses, &c., &c.

New York, Aug 19th 1876

Mr T. A. Edison

Mendlow Park N. J.

Bought of G. S. WOOLMAN, N. Y.

MATHEMATICAL, OPTICAL AND PHILOSOPHICAL INSTRUMENTS,

Agent JAMES W. QUEEN & CO.
W. & L. E. Gurley's Surveying Instruments.
R. & J. Beck's London Microscopes.

116 Fulton Street, New York.

2 Stop Cocks for Pen bag	5.00
1 " " " Cylinder	3.50
	8.50

Rec'd Payt
W. L. M. Hussey Agt.
" N. Y. Gas Co.

C. O. D $8.50 + charges

Menlo Park N. J. Aug 28 1876

Mr Edison

To **T. P. BADGLEY,** Dr.

DEALER IN

PARLOR, HALL, OFFICE AND STORE STOVES, RANGES, &c., TINWARE, LAMPS, BRACKETS,

SEWER PIPE, &c.

June 24 To 200 ft Gutter .100	15 00	
July 17 " 12 doz Pans Pail 100	3 00	18 00
Recd payment		
T P Badgley		

Office of ~~MERRIAM~~ & MERWIN,

Manufacturers of

BUILDING BRICK.

Perth Amboy, N. J. Aug 1876

J. L. Merriam, A. M. Merwin.

Mr Edison To Asaph M. Merwin Dr

July	26	800	Hard Brick		6.40
	27	1600	" "		12.80
	28	1600	" "		12.80
Aug	8	1600	" "	19%	12.80 / 6.40
	9	800	" "		6.40
	11	800	"	Recd Payment	57.60
					19.20
					38.40

Direct to Perth Amboy P. O. Box 224

Asaph M. Merwin

Iron Front, 796 Broad Street,

Newark, N. J. Sept 9 1876

Mr T A Edison

AGENTS FOR
THE BEST FIRE-PROOF
SAFES
IN THE MARKET.
Second-Hand Safes bought and sold.

BOUGHT OF **Macknet, Wilson & Co.,**
Importers and Dealers in
Hardware, Iron and Steel,
MACHINE BELTING, STEAM PACKING,
BUILDERS', CARRIAGE MAKERS' AND MISCELLANEOUS HARDWARE,
☞ TERMS CASH. Steel, Bar, Band and Hoop Iron of all descriptions.

Aft 1/1 9 pr 3x 3 Fast Butt	1 32	
1 Gr. 1/4 x 1 Screw	35	1 67

Menlo Park Sept 9 1876.

Rec'd of T A Edison
Two dollars in full to
date for all demands.

Ro. L. Hoff

New-York, September 11th 1876.

Mr. T. A. Edison

Menlo Park N.J.

To ROHRBECK & GOEBELER,

Late J. F. LUHME & CO.,

MANUFACTURERS AND IMPORTERS OF

Chemical Apparatus, Chemicals, &c., &c.

No. 4 MURRAY ST., near Broadway.

C.O.D. per Express.

2	Acetate Mercury incl. Bottles	$1.40	

Rohr

We can furnish You the Acetate Mercury at $1.5 = pt.

(1576)

June 28	12 Pine Boards 6 in 16 ft —	96 ft @	4 1/2		4.32
	16 " " 6 in		5		80
	6 " " 10 in		30		180
July 12	45 for Sheeling boards		3 1/2		168
	4 Hemlock Boards		20		80
	72 for Ceiling boards		4.2		302
	11 Pine Sticks		26		52
15	84 for 7/4 Pine Plank		5 1/4		4.41
	144 for ceiling Pine		4 —		5.76
	44 for Pine Boards		3 1/2		1.54
	3 Spruce 2 x 3 —	13 for	13		39
	16 for Pine Boards				80
Aug 1	129 feet Pine Boards		3		3.63
	31 " "		4		1.24
	20 matched " "		35		7.00
	1 7/4 Spruce				25
June 27	1 Ton Stove Coal				7.00
28	96 feet Pine Boards	16 ft	4 1/2		4.32
	6 7/8 " " "		30		1.80
	16 feet				
July 3	5 1/2 Ton Egg Coal		5 —		50
12	45 feet sheeling Boards	(Kinnamon)	6.50		36.75
	72 feet Pine Ceiling		3 1/2		1.68
	" " Hemlock		4.2		3.02
	2 sticks		20		80
	44 for Boards		26		52
	16 for 7/4 Boards		5 1/4		1.54
	3 spruce 2 x 3		13		80
Aug 15	80 Pine Boards — 6 in	16 ft	2.8		39
	1 Ton Broken Coal				8.40
28	84 for Pine Boards	4			7.00
	7 for matched boards	35			3.36
29	30 for Pine Boards	3 1/2			2.45
	10 — 7/4 Pine Boards		2.68		10.82
Sep 7	8 matched boards		35		2.80
	36 Pine Boards 6 in 16 ft —	288 ft	3 1/2		10.08
21	one Barrow Lime —				1.75
					145.84

Sept 27th 1876

Recd from
Thos A Edison
on a/c his check for Twenty
Dollars
$20.00/100
F W Edgar

Menlo Park Sept 22/1876

Mr T. A. Edison Dr.
To T. Thornall

Aug 7.	To drawing 15 lbs roster	$1.50
" 8.	" 1120 lbs Hay at 75 cts	8.40
" 9	" drawing 5 lbs roster	.50
Sept 22	" Horse & wagon to Metuchen	.60
		$11.00

Paid to
Thornall
Sept 22
1876
by me Edison

Thinking you had forgotten the above I send you this bill, if convenient please send check by bearer and oblige

Yours truly
T. Thornall

John Kruse Dr
To T. A. Edison

Sept 30. 1876 — 1 Carbonac 5 12/100 Sewer 5 — 28

Metuchen N. J. Sept 30th 1876

Mr Chas Batchelor

To MANNING FREEMAN, Dr.

Dealer in

COAL AND LUMBER.

2 Cars 11 20/20 Gross tons Stove Coal 5.00	56	00

Draw all remittances to order of Lehigh Valley Coal Co.

New York, Sept 30th 1876

Mr Manning Freeman Menlo Park

To LEHIGH VALLEY COAL CO., Dr.

OFFICE, Cor. COURTLANDT & NEW CHURCH STREETS.

For the following Anthracite Coal, in Cars at Mauch Chunk.

DATE	Cars	Lump	Cars	Steamboat	Cars	Broken	Cars	Egg	Cars		Cars	Chestnut	Cars	Pea	
Sept 27					2	11 —			3 16						
Copy															
		11 — tons				Broken @			2.80				30	80	
		16 16 "				Stove		"	3.—				50	40	
		27 16 tons				Nuts		"	1.75				48	65	129 85

Metuchen Oct 2 1876
Mr Edison Dr to
A J Vansickle

Aug 31 to 4 new Shells 2.00
Sept 6 to 1 swivel 2 rings .45
Received Payment $2.45
A J Vansickle

Newark, N. J. Oct 9 1876.

Received from Mr Thos A. Edison
One hundred Dollars,
on acct
$100.00

Conduit Hanson & Van Winkle
Jr Treas

Conduit Hanson & Van Winkle,
Acids, Dye Stuffs, Chemicals.

4567 Metuchen Oct 10/76
Recd from Mr Edison
Forty three 67/100 dollars in
full for Bill of Dry Goods to
date
J. R Edgar

Metuchen Oct 10
Mr Edison Dr
To Wm H Bennett
Joe mann work $5.00
Material 2.50
Received Payment Wm H Bennett 7.50

New York, Oct. 20 1876

Mr Thomas A. Edison

To EDGAR HOYT, Dr.

BOOK, LAW AND MERCANTILE PRINTER,

58 JOHN STREET.

17 Tons Egg Coal	@ 4.55	77 35
11 " Stove "	@ 4.75	52 25
		129 60

Rec'd Payment
E. Hoyt

Received from Mr Edison
One hundred & thirty 30/100 Dollars,
in Payment on bill for Septr. bill
P. Higgins

$103 75

Wilbur, Markham & Mac, Printers, Newark, N.J.

Menlo Park, N. J., Oct 30 1876.

Mr

Bought of **W. M. THORNALL,**

DEALER IN

TERMS CASH. Groceries and Provisions, Flour, Feed, &c.

Metuchen N J Oct 28 1876
Mr Edison to Wm. Tomnicki
To 4 new shoes $2,00
Rec'd Payment
Wm. Tomnicki

Received of T. A. Edison
Thirty dollars & 50/100
being part payment of his acct with me
for Groceries
W. M. Thornall.

STATEMENT.

Metuchen, N. J., Nov 1st 1876

Mr. Edison

To T. P. BADGLEY, Dr.

Aug 12	To Pump & Extension	30 00
	34 ft 2" Pipe @ 35	11 90
		$31, 90

Rec'd Payment

T P Badgley

STATEMENT.

Metuchen, N. J., Nov 2 1876

Mr. Edison

To T. P. BADGLEY, Dr.

Sept 15	To roof 110 feet 7½	8 25
" "	Ventilator	1 00
		9 25

Rec'd Payment

T P Badgley

Woodbridge, N. J. Nov 20th 1876

Mr Thos. A. Edison

DEPOTS, 136 Liberty St., AND 66 Courtlandt Street. NEW YORK.

Courtlandt FULLER'S NURSERIES, WOODBRIDGE, N. J.

6 Arbor Vitae	@	6 00
4 " "	@	2 00
2 Norway Spruce	@	2 00
		$10 00

Rec'd Payment

Walter Fuller

175

MONTHLY STATEMENT.

NEWARK, N. J., Dec 1 1876.

Mr Thos. A. Edison

In account with CONDIT, HANSON & VAN WINKLE,

336 MARKET STREET, cor. MULBERRY.

Nov 1. Check off bal 4456

23

Mead

Newark, N. J., Dec. 1st 1876

Mr. T. A. Edison Esqr.

To GUSTAVUS MARX Dr.

PLAIN & ORNAMENTAL JAPANNER,

63 N. J. R. R. Ave.

Artistic Painting executed on Signs, Banners, &c.

Bronzing, Gilding and Lettering on Tin and Wooden Signs.

TERMS CASH.

Oct.	20.	Mds.		$12.	00.
		Rec'd. Payment Dec. 23/76			
		Gustavus Marx			

DEALER IN
French, English & American
Plain & Decorative
WALL PAPER
WINDOW SHADES,
Cornices, Bands, Fire Boards,
PRINTS, &C., &C.

Newark, N.J., Dec 23rd 1876

Mr. Edison

To M. A. FRASER, Dr.,

House and Fresco Painter,

AND PAPER HANGER,

NO. 663 BROAD STREET.

Sept 15 To Bill Kindergarten

Dec 23 Rec'd

8 57 94	25.00

TERMS CASH.

BUTTLER & JOHNSON.

Sash, Blind, Door, WINDOW FRAME,

MOULDINGS, TURNINGS, PENTELS, BALUSTER AND STAIR RAIL, SHAKERS, PLANING AND Scroll Sawing Factory, John-St., N. Brunswick.

FRIESIAN PRINT.

New-Brunswick, N. J., Dec 26th 1876

Mr. T. A. Eddison

To BUTTLER & JOHNSON, Dr.

MANUFACTURERS OF

Sashes, Blinds, Doors, Mouldings, &c.

JOHN-ST., NEW-BRUNSWICK.

June 28	To	10 Sashes	45¢	4	50
	"	Freight			12
30	"	81 Cut Balusters	15¢	12	15
	"	Freight			25
July 26	"	11 pair 9/12 + 4 pair 8/10 sash + 8 Stationary Blinds		35	00
	"	4 Cap heads extra		2	00
	"	Freight			35
Sept 8	"	50 ft Moulding	3¢	1	50
	"	84 " "	2½		85
	"	2 Sash	60¢	1	20
	"	Freight			25
				$ 58	17
Dec 26/76		By Cash		35	00
		Balance		$ 23	17

Dec 8 1876
Rec'd of Thos. A. Edison
Twenty-three & 17/100 dollars
on full of this bill
$23.17
Buttler & Johnson

Sole Agents for A. J. WIGHT'S PATENT IRON TURN-TABLE, for Locomotives. Sole Eastern Agents for GARDNER'S PATENT GOVERNOR.
Steam Passenger Elevators, for Hotels and Store Houses, with Beggs' Patent Safety Appliance.

WM. COOKE.
JAS. BEGGS.

New York, Aug 27th 1876

Mr. T. Edison

Bought of COOKE & BEGGS,

PRACTICAL MACHINISTS AND ENGINEERS,

Steam Engines, Boilers, Machinists' Tools and Hoisting Engines,

Every description of Supplies for Mines, Machinists, Mills, Railways & Steamships.

Terms, Cash. *16 CORTLANDT STREET.*

8/4	8 ft	3/4 W.I. Pipe		9	61	
1	8/4	Tee 16	1	3/4 Union 36	57	113
					20%	23
				Cutting & screwing Pipe		25
						125

Paid Cooke & Beggs

CARPETS, Mats and Matting, OIL CLOTHS, Window Shades, TABLE COVERS, Trunks, Satchels, PAINTS, Oils, &c. Probe ies Polar. TERMS CASH.

Hohuchen, N. J. Dec 27th 1876

Mr Thomas Edison

BOUGHT OF

D. G. THOMAS & SON,

DEALERS IN

Hardware, Agricultural Implements, Cutlery, Hollow Ware,

AND HOUSE FURNISHING GOODS.

Nov	1	To Bill as rendered	13 78	
	28	3 Glass 10 x 12	30	
	"	1 " 14 x 18	25	
	"	2 " 12 x 14	30	
	"	1 Buck Saw	1 25	
	"	50 Blanket Screws	1 50	
	"	1 Pipe Hooks	08	
	29	1 Cement Saw	1 25	
	"	1 file	12	
Dec	2	5 yds O Cloth 5/4 @ 135	6 75	
	"	2 Pail Hooks	1 00	
	"	1 Hoop	15	
	"	1 Bent Hoop	15	
	"	1 Dog Chain	30	
	"	1 Staple	03	
	8	1 Hatchet	65	
	11	2 1/2 yds 5/4 O Cloth	2 50	
	13	1 Hay	08	
	22	1 Horse Blanket	2 50	
	"	1 Grain Cradle	90	$33.84

Rec'd Payment
Dec 27/76 D. G. Thomas & Son

Rahway Dec 25 1876

Mr Edison To John Bergen Dr

1 Stove	12
1 Spur	50
1 Quest Cow	25
1 Quart Bean	20
1 Red Bean	20
4 Joints Pipe @ 45	1.80
2 Elbows 45	90
Time & Extra on Stove	1.00
	19.90

Received payment

John Bergen

40 5

Menlo Park Dec 30th 1876

J. A. Edison Dr

To Fred A. Hornall

Oct-26-To horse & harness 1½ day for Mr Edison	$1.00
" -28-" Carting 2 barrels Oil from depot	.50
Nov-1-" horse & buggy 1½ day for Mr Edison	1.00
" -6-" horse in afternoon for Mr Edison	.75
" -15-" horse part of forenoon for Mr Edison	.50
" -16-" " Bates left Chim	.75
" -20-" horse part of day	.75
	$5.00
Jan.	
12 and furious drawing 3 loads Hay & 1 cornstalks from Mr Vanclees	5.00

P.O. Box

Folio.

MONTHLY STATEMENT.

NEW YORK, Dec 31 1876

Mr T. A. Edison Menlo Park N.J.

In account with Wadsworth, Martinez & Longman,

207 Pearl Street.

Net Cash.		
Aug 3	To Balance,	34 87
	" Mdse.,	
Dec 26	Cash	15 75
		19 12

Dear Sir Will you please favor us with remittance in payment of above balance

Yours Very Respectfully

Wadsworth Martinez & Longman

Mr.

We have taken the liberty of making Draft on you at for amount of as per above statement of account, which we trust will be to your satisfaction.

Very respectfully,

Newark, N. J. 187

No.

Bought of **Mrs. J. W. Hawn,**

Millinery and Fancy Goods,

Laces, Embroideries, Trimmings, &c.,

771 & 773 Broad Street.

	Hat		1 75	
	Lip		2 75	
4	Pick	20	1 00	
2 3/4	Ribbon	50	1 39	
1/4	Pick	175	49	
				7 33
3	yds Ribbon	33	99	
8	" Emb	12	1 26	
	"		9	
2	" Elastic	15	30	
1	Frilling		48	
1	Hand Kerch		48	
3	"	30	90	
4	"	13	52	
	Chemise		1 80	
	Gloves		85	
	Scarf		7 00	
	Recd Payment			1 88
				22.86

Mrs J W Hawn

261 Market St
Newark
N. J.

T. A. Edison
Dear Sir
I sent you to day
per Freight
1 pr Boy Sogard Chemise .60
1 pr " Pickin " 60
1 Surlace 1.00
Paid. Gotz & Tyff 3.20

1876. Edison, T.A. - Book and Journal Orders (D-76-003)

Correspondence, bills, receipt.

All selected.

American Journal of Science. New Haven, Ct., Mar. 11 1876

Charles Batchelor

To DANA & SILLIMAN, Dr.

For Oct 1875 6 / 12 mo, with Jan 12 / 12 mo $6.12
.50
6.62

Rec'd. payment
Dana & Silliman

Pls recpt
+ send journal for 76 for N.
Edison

L. W. SCHMIDT,
24 BARCLAY STREET,
P. O. Box 1817.

New York, April 4 1876

Mr Thos. A. Edison
Menlo Park

Dear Sir:—

In reply to your favor of yesterday, I have to say, that the publication of the "Annalen der Telegraphie", is interrupted. It was announced to appear „in zwanglosen Heften", but thus far only the first "Heft" has been issued.

The following paper is now publishing at Bern (Switzerland) "Journal telegraphique publié par le bureau international des administrations télégraphiques", monthly, $ 2.20 Gold. — In Berlin is now in course of publication "Zetsche Handbuch der electrischen Telegraphie (splendidly illustrated), of which the first part is in Heft.

Please let me know whether you want one or both of these works. — I find a balance on my books of $ 3.75 in your favor, which is of course at your disposition.

Truly yours
L. W. Schmidt

D. VAN NOSTRAND.

$ [illegible]

New York, April 10 1876

Received of T. A. Edison

Three hundred Dollars,

in full for bill of 3rd inst —

D. VAN NOSTRAND.

per W. Bn. Fox

Subscription Price $5 per Annum.
The Journal of the Institute will be sent to subscribers, free of postage, on receipt of the subscription price.

D. SHEPHERD BOLMAN, Actuary.

Thomas A. Edison Menlo Park N. J.

To The Franklin Institute of the State of Pennsylvania, Dr.

To One *year subscription to the* Journal of the Franklin Institute, *commencing* April *1876 and ending* March *1877 at $5 per annum,* $ 5

Received Payment,

Philadelphia, May 15 *1876.* D S Bolman *Actuary.*

Mr T A Edison & G M Gillmore

May 5th	To	Harper's Weekly	.10	
" "	"	" Bazar	.10	
" "	"	Travels Magazine	.15	
" "	"	Scientific American	.08	
" "	"	" Supplement	.10	
" "	"	Journal Chemistry	.10	
" "	"	Popular Science	.30	
" "	"	Manufacturer & Builder	.20	
" 6th		Engineering —	.30	
" "		Engineer —	.30	
" "		Iron —	.30	
" "		English Mechanic	.15	
" "		Chemical News	.20	
" "		Nature —	.5	
" 11th		4 New York Weeklys	.24	
" "		1 Box of Paper	.45	
" "		1 Bottle Mucilage	.15	
" "		1 " Pen	.10	
" 12th		Harper's Weekly	.10	
" "		" Bazar	.10	
" "		Scientific American	.08	
" "		" Supplement	.10	
" "		Travels Mag	.15	
" "		Engineering —	.30	
" "		Engineer —	.30	
" "		Iron —	.30	
" "		English Mechanic	.15	
" "		Chemical News	.20	
" "		Nature —	.5	
" 13		American Chemist	.30	
" "		Phila Photographer	.50	
" "		1 Book Editor's Life	1.30	
" 19th		25 Singers Journals	.50	
" "		Harper's Weekly	.10	
" "		" Bazar	.10	
" "		Scientific American	.08	
" "		" Supplement	.10	
" "		N York Weekly	.06	
" "		Engineer —	.30	
" "		Engineering —	.30	
" "		Bazar —	.5	
" "		English Mechanic	.15	
" "		Chemical News	.20	10.44

over

		Bird House	10.44	
May	20th	Watson	.25	
"	"	New York Weekly	.06	
"	"	Harpers "	.10	
"	"	" Bazar	.10	
"	"	Scientific American	.08	
"	"	" Supplement	.10	
"	"	Cornelly Mage	.15	
"	"	Engineer	.30	
"	"	Engineering	.30	
"	"	Iron	.30	
"	"	English Mechanic	.15	
"	"	Watson	.15	
"	"	Chemical News	.20	
New York Volume from				
Aug 1st to June 1st			1.00	
"		New York Sun	.54	
"		Mechanic Daily Advertiser	.85	14.77

Recd Payment
H. W. Coldman

T. A. Edison & A. M. Tillman Dr.

June	2	Harpers Weekly	.10	
"	"	" Bazar	.10	
	"	Scientific Am	.08	
	"	" Supplement	.10	
	"	Popular Sci	.15	
	"	N. Y. Tribune	.06	
	"	Engineering	.30	
	"	Engineer	.30	
	"	Iron	.30	
	"	English Mechanic	.15	
	"	Nature	.15	
"	3	Photographical Jr	1.30	
	"	Leslies	.10	
	"	Scientific Serial	.10	
	"	Popular Science	.20	
	"	Practical Chemistry	.10	
	"	Popular Monthly	.20	
"	5	Scott Coquet	3.20	
	"	3 Young Ladies Jr	.85	
"	7	Harper Weekly	.10	
	"	" Bazar	.10	
	"	Sci American	.08	
	"	" Supplement	.10	
	"	Popular Mag	.15	
	"	Engineer	.30	
	"	Engineering	.30	
	"	Iron	.30	
	"	English Mechanic	.15	
	"	Nature	.15	
	"	Manufacturer & Builder	.20	
	"	American Chemist	.50	
"	16	Harpers Weekly	.10	
	"	" Bazar	.10	
	"	Sci American	.08	
	"	" Supplement	.10	
	"	Popular Mag	.15	
	"	2 New York Tribune	.12	
		Photographic	.50	11.62

(over).

		Amount Brought Over	11	62	
June	17	Engineering		.30	
	"	Engineer		.30	
	"	English Review		.15	
	"	Bee		.30	
	"	Nature		.15	
	"	Chemical News		.20	
"	23	Harper's Weekly		.10	
	"	" Bazar		.10	
	"	Sci. American		.08	
	"	" Supplement		.10	
	"	Graphic News		.15	
	"	N. Y. Ledger		.06	
	"	Engineer		.30	
	"	Engineering		.30	
	"	English Review		.15	
	"	Bee		.30	
	"	Nature		.15	
	"	Chemical News		.20	
	"	Philosophical Mag.	3.	00	
"	30	Harper's Weekly		.10	
	"	" Bazar		.10	
	"	Sci. American		.08	
	"	" Supplement		.10	
	"	Graphic News		.15	
	"	N. Y. Ledger		.06	
	"	Monthly Hebrew	1.	00	
	"	Network Advertiser		.85	
	"	New York Sun		.35	21.00

Respectfully
H. H. Goldman

BOOKS IMPORTED TO ORDER FROM EUROPE, AND FOR PUBLIC INSTITUTIONS, FREE OF DUTY.

New York, June 29 1876

M. T. A. Edison

Menlo Park

Bought of D. VAN NOSTRAND, N.J.

Bookseller, Publisher and Importer,

OF SCIENTIFIC, MINING, ENGINEERING, MILITARY AND NAVAL BOOKS,

23 Murray & 27 Warren Streets,

Register

Salesman

Folio

TERMS CASH. UP STAIRS.

1 Frezenius Quantitative	6 00
1 " Qualitative	4 50
1 Kempe Testing	2 00
1 Vol 4 Dumondel Elec	5 60
1 Daye Electrical Measures	1 25
1 Pt 1 Journal Civil Engineers	1 50
1 Zetche Telegraphie	1 25
70 Labb Telegraph Journal 1876	4 50
	26 60

C.O.D.

Recd Payt

D Van Nostrand

Secy

Daily and Weekly Papers

DELIVERED IN THE CITY OR SENT TO ANY PART OF THE COUNTRY.

Magazines and Periodicals

SUPPLIED AS SOON AS PUBLISHED.

Newark, N. J., _____ 18

M. _____

To H. M. Wildman, Dr.

DEALER IN

Newspapers, Periodicals and Stationery,

~~337~~ 339 MARKET STREET.

Cor. MULBERRY.

Dec 2	To one	Chemical News			.20
"	"	"	Nature		.15
"	"	"	English Mechanic		.15
"	"	"	Iron		.30
"	"	"	Harpers Bazar		.10
"	"	"	Chambers Journal		.15
" 8th	"	"	Harpers Weekly		.10
"	"	"	" Bazar		.10
"	"	"	Scientific American		.08
"	"	"	" " Supplement		.10
"	"	"	Iron		.15
"	"	"	N. Y. Weekly		.06
"	"	"	Popular Monthly		.20
"	"	"	Manufacturer & Builder		.20
"	"	"	Bradstreet Periodical		.15
"	"	"	Journal Chemistry		.10
" 15th	"	"	Harpers Weekly		.10
"	"	"	" Bazar		.10
"	"	"	Scientific American		.08
"	"	"	N. Y. Weekly		.06
"	"	"	Chambers Journal		.15
"	"	"	Iron		.30
"	"	"	English Mechanic		.15
"	"	"	Nature		.15
"	"	"	Chemical News		.20
"	"	"	Popular Science		.50
"	"	"	Photographic		.10
"	"	"	Ann Chemist		.50
" 22	"	"	Harpers Weekly		.10
"	"	"	Scientific Supplement		.10
"	"	"	N. Y. Weekly		.06
"	"	"	Iron		.30
"	"	"	English Mechanic		.15
"	"	"	Chemical News		.20
"	"	"	Nature		.15
"	"	2	Box White Note Paper		.70
"	"	1	Ball Cord		.10
				Cr.	$5.97

			Brot over		7.27
Dec 25	To one Harpers Bazar			.10	
"	" " Weekly Mag			.15	
"	" " Box Pepper			.50	
" 29	" " Harpers Weekly			.10	
"	" " Bazar			.10	
"	" " Second Pt Pilgrim			.10	
"	" " " Antiquarian			.08	
"	" " Pg Weekly			.06	
"	" " Bazar Mag			.15	
"	" " Dress			.30	
"	" " English Mechanic			.15	
"	" " "			.15	
"	" " Phonic Times			.20	
"	" Bath Advertiser & Ann			.20	
"	" Bill Forwarded to Dec 1st		45.65	53.62	
Dec 28	By Cash Backbiles Wood			.50	
	Bal to			28.52	

Cashmerly Pd

T. A. Edison Dr. for News Papers

Dec the 15 — 1874

15 5 cts	Jan — 1877	Credit By cash	
16 5	9 — 5	15 Dec 1874	
17 Snoffle		Dec	40
18 — 5			50
19 — 5			90
20 — 5			
21 — 5	13 — 5		1 80
22 5	14 Sunday		95
23 5	15 — 5	Dec	1 00
24 Sunday	16 — 5		
25 — 5	17 — 5		
26 — 5	18 — 5		
27 — 5	19 — 5		
28 — 5	20 — 5		
29 — 5	65		
30 — 5	1 25		
31 Sunday	1 90		
1 — 5			
2 — 5			
3 — 5			
4 — 5			
5 — 5			
6 Sunday 1			
7 — 5			
1 25			

Paid Sunday 1877
20 Jan

1876. Edison, T.A. - Checks (D-76-004)

Checks.

Not selected.

1876. Edison, T.A. - Family (D-76-005)

Correspondence.

All selected.

Form 289.

Chicago & Lake Huron and Chicago & North-Eastern
RAILROADS.

[1876 ?]

Dept 187

Dear Uncle

I have got the "play book of Science" and have read it through several times and I will send it to you, can you let me have some book such as "farradys researches" or some book simular to it. let me know if you will do it

yours Resp
Chas. P. Edison

Love to all the folks

P.S. will return book as soon as I read it
C.P.E.

Carman send the Cyclopedia of Science Simplified, (Pepper author) to him by mail =

1876. Edison, T.A. - Insurance (D-76-006)

Correspondence, insurance policies, receipts.

Filmed in the following order: insurance policies, other documents.

Not selected: four similar policies for additional coverage on laboratory and machinery with Citizens', Humboldt, Home, and American insurance companies.

See endorsement

No. [illegible]

THE

Merchants' Insurance

COMPANY,

776 & 778 BROAD STREET,

Newark, N. J.

Mary A. Edison
Middlesex Co
N. J.

Premises "Menlo Park"

Amount Insured, - - - $ 5000

Premium, - - - - - $ 30

Expires, April 7th 1879

Register Page 351

Edition February, 1871.

The Hatch Lithographic Co., 93 & 95 Tiffany St., N. Y.

The Merchants' Insurance Co.,

776 & 778 BROAD STREET, NEWARK, N. J.

CASH CAPITAL, - - - *$200,000.* *CASH ASSETS, July 1, 1878,* - *$640,000.*

DIRECTORS.

SILAS MERCHANT,	President.	I. SPENCER GOBLE,	Gen'l Agent Mutual Life Ins. Co. N. Y.
JOHN H. MERCHANT,	Vice-President.	C. S. TITSWORTH,	Counsellor at Law.
C. G. CRANE,	Bailey, Crane & Webster.	D. C. DODD, Jr.,	Dodd & Hedges, Jewelers.
MOSES T. BAKER,	Insurance Agent.	N. Y. BLANCHARD,	Blanchard Bros. & Lane, Patent Leather.
HORACE FREEMAN,	Insurance Agent.	LEWIS LANE,	Manufacturer of Bellows.
O. L. BALDWIN,	Cashier Mechanics' National Bank.	SAMUEL ATWATER,	Attorney & Counsellor.
GEORGE W. DAVIS,	303 Washington Street.	JOHN D. HARRISON,	Patent Leather.
HENRY FOULDS,	Secretary.		

THE MERCHANTS' INSURANCE COMPANY, OF NEWARK, NEW JERSEY.

Office 776 & 778 Broad St.

Leyenberger
6 1/10

In Consideration of Thirty Dollars

DO INSURE Mrs Mary H Edison Against Loss or Damage by Fire

to the amount of Three Thousand Dollars

1000 On her Bronzes and Articles of Virtu. Loss if any not to exceed $100 on any one article.

1500 On her household furniture useful and ornamental, beds, bedding, linen, pictures, printed books and family wearing apparel &c.

500 On her Piano Forte all contained in the two story frame shingle roof building and wing attached, to be occupied as a dwelling only situate 300 feet northerly from P.R.R. Station Menlo Park Middlesex Co. N.J.

And the said Company hereby agrees to make good unto the said assured, her executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the seventh day of April one thousand eight hundred and seventy eight, at twelve o'clock at noon, to the seventh day of April one thousand eight hundred and seventy nine, at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at this office, in accordance with the terms and conditions of this Policy, unless the property be replaced, or the Company shall have given notice of their intention to rebuild or repair the damaged premises.

1. If an application, survey, plan or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon, or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain for more than thirty days without notice to, and consent of, this Company in writing, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over or extra time, or running at night, or if it shall cease to be operated, without special agreement indorsed on this Policy; or if the property be sold or transferred, or any change take place in title or possession, whether by legal process, or judicial decree, or voluntary transfer, or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naptha, gasoline, benzine, benzole or benzine-varnish, or keep, or use camphene, spirit gas, or any burning fluid, or chemical oils, without written permission in this Policy, then, and in every such case, this Policy shall be void.

2. This insurance does not apply to or cover jewelry, plate, watches, musical or scientific instruments (piano-fortes and melodeons in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models, or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at, or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosion of any kind unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning. When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional, and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company, and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. If during this insurance, the above-named premises shall be used for any trade, business, or vocation, or for storing, using, or vending therein any of the articles, goods, or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the second class of hazards printed on the back of this Policy; or if the occupation of such premises be changed from one of the classes denominated hazardous or specially hazardous to that of another of the same class, except as herein specially agreed to in writing upon this Policy, then and from thenceforth, so long as the same shall be so appropriated, applied, or used, this Policy shall cease, and be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after a fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything else than a distinct, specific agreement, clearly expressed and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance upon the property herein insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. The insurance may also be terminated at any time at the option of the Company on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate, under the hand and seal of a magistrate or a notary public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such magistrate or notary public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality, and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole-ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to two or three impartial arbitrators, mutually chosen, and the award in writing of any two such arbitrators shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and provided, further, that it shall be optional with the Company to repair, rebuild, or replace the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in case this Company elect to rebuild, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

10. This insurance, the risk not being changed, may be continued for such further time as shall be agreed on, provided the premium therefor is paid and indorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person, other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to the insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ GAS.—The generating or evaporating, within the building, or contiguous thereto, of any substance for burning gas, or the use of gasoline, for lighting, is prohibited under this Policy, unless permitted in writing hereon.

☞ Fences and other Yard Fixtures, also Store Furniture and Fixtures, Plate Glass in doors and windows of the dimensions of nine square feet and upwards, goods in windows for exhibition, frescoing or other decoration on wall or ceiling, are not insured under this Policy, unless separately and specifically mentioned.

☞ BUILDERS' RISK.—The working of carpenters, roofers, tin-smiths, gas-fitters, plumbers or other mechanics, in building, altering, or repairing the premises named in this Policy will vitiate the same, unless permission for such work be indorsed in writing hereon, except in dwelling-houses only, where five days are allowed in any one year for incidental repairs, without notice or indorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, THE MERCHANTS' INSURANCE COMPANY have caused these PRESENTS to be signed by their PRESIDENT or VICE-PRESIDENT, and attested by their SECRETARY, in the City of Newark, in the County of Essex, this seventh day of April in the year of our Lord, one thousand eight hundred and seventy eight.

ATTESTED,

Henry Conly Secretary.

Silas Merchant President.

CLASSES OF HAZARDS.

The following CLASSES OF HAZARDS *are given, defining the terms used in the written and printed portion of this Policy.*

FIRST CLASS.

ALL BUILDINGS used as stores or warehouses are privileged to contain any of the articles enumerated in this class, and the following wholesale stocks of MERCHANDISE may be insured at 5 cents per $100 in addition to the rate of the building.

NOT HAZARDOUS.

Carpets.
Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages.
Coffee.
Flour.
Provisions.
Rice.
Spices.
Sugar.
Furs and Peltries in unbroken packages.
* Grocers' Stocks.
Hides and Skin Leather.
Teas.
Tincture Gum.
*This does not embrace stocks composed mainly of Liquors.
Tobacco, pipe and twist, in boxes or kegs (wholesale). *
Wheatlings.
*. See Extra hazardous.

HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 15 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Boots and Shoes (wholesale, including India rubber boots and shoes, and Rubbers) (stores, Carriage Trimmings, Carriages and Sleighs, Clothing (wholesale), ready-made,
Cordage.
Cotton Yarn.
Cotton Twine (wholesale).
Drills (wholesale).
Gunny Cloth and Gunny Bags,
Hardware (staples), in packages.
Hats and Caps (wholesale), without manufacturing.
Hemp, in packages.
Hoops, in bales,
Iron ware, stoves, tin ware and hollow ware (wholesale),
Iron manufacturing.
Leather, Morocco and Findings.
Nails,
Paper in reams and straw boards,
Paper Hangings (wholesale).
Pipe.
Pottery and Harness.
Rolls.
Trunks.

EXTRA HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 25 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Artificial Flowers,
Artists' Materials,
Books,
Boots and Shoes (retail),
Brushes,
Cabinet ware, without manufacturing, repairing, upholstering or varnishing,
China, Earthen or Glass ware, unpacked,
Clothing, ready-made (retail),
Confectionery, without manufacture,
Corks,
Drum Trimmings,
Dry Goods (retail),
Feathers,
Fancy Goods (wholesale and retail),
Fishing Tackle, (retail),
Fruit,
Fruits (retail),
Furs, unpacked,
Gentlemen's furnishing goods, (wholesale and retail),
Glass (sticks of),
Glass, stained glass, unpacked
Glassware, unpacked, Looking-Glasses, unpacked,
Hardware and Cutlery,
Hats and Caps (retail,) without manufacturing,
Hoop skirts and hoop skirt materials, no manufacturing,
Home furnishing goods (retail),
Jewelry, no ornamental, japanned and bronzed,
Iron (bars, sheet and rods,
Jewelers' & Watchmakers' stocks
Ladies' and Children's furnishing goods,
Lace and Embroideries (wholesale),
Lamps, without camphene, burning fluid, spirit gas or kerosene,
Machinery, on sale,
Metals, in bars, pig and tin plates
Military goods, (retail,)
Millinery goods (wholesale and retail),
Musical Instruments (music, Nautical and Mathematical Instruments,
Paper hangings (retail).
Paper Collars,
Perfumery,
Peelless Stoves,
Sewing Machines,
Silver and copper ware (retail)
Shirt manufactories (without laundry),
Silver and plated ware,
Stationery,
Stoves (retail),
Straw goods (wholesale and retail)
Tailors' Trimmings,
Tin ware, tin ware (retail),
Tobacco, leaf and cigars and snuff, wholesale and retail,
Umbrellas and Parasols (wholesale and retail), with privilege to put together and finish by hand only,
Watchmakers' tools,
Watches, in packages as imported,
Window Glass in boxes,
Worsted and fancy goods,
Yankee notions.

SECOND CLASS.

ALL BUILDINGS containing any of the articles of Merchandise enumerated in this class above *hazardous*, or in which any trade or occupation mentioned is carried on must pay an additional premium corresponding to the rate charged for the merchandise, trade or occupation as classified and enumerated.

HAZARDOUS—No. 2.

The following TRADES, OCCUPATIONS AND MERCHANDISE, are charged 15 cents per $100 more than the building, and require a corresponding rate upon all its contents.

Card Printing (by hand power),
Drugs, dry in packages, (imported)
Fish, in bulk, (or's stocks of),
Fischs,
Grocers' stocks (retail),
Gum Copal.
Gum shellac,
Gutta percha,
Hemp, in bales,
India Rubber,
Mustin, grass, in bales,
Men's straw hats and caps (stocks of),
Oakum, in bales,
Oil, fish and vegetable,
Oil Cloths (stocks of),
Paints ground in Oil,
Pot, Pearl and Soda Ashes,
Pull Making,
Steel Grass, in bales,
Sulphur,
Tallow,
Whiskey, Wines and Liquors, in casks and packages (stocks of),
Wool.

EXTRA HAZARDOUS—No. 2.

The following ARTICLES OF MERCHANDISE, subject the building and its contents to an increased charge.

Agricultural Implements, including mechanics's stocks,
Alcohol,
Apothecaries' stocks,
Asphaltum,
Brass makers' stocks,
Chloe, earthen or glass ware, with privilege of packing or unpacking.
Coy Springs (of gutta percha or India rubber),
Cotton Batting and Wadding (stocks of),
Daguerreotype and photographic stocks,
Essential Oils,
Gutta percha goods (except boots and shoes,
Gas Fixtures,
Hay and Straw, in bales,
India rubber goods (stocks of), except boots and shoes,
Liquors, in glass, unpacked,
Lackiing glasses, with privilege of packing or unpacking,
Lumber Dealers' stocks of,
Painters' stocks,
Paper boxes (stocks of),
Paperhangers' stocks,
Percussion Caps,
Piano-fortes in warerooms,
Pitch,
Pocket-book makers' stock,
Rags, in bales,
Rosin,
Ship chandlery,
Silversmiths' stocks,
Spirits of Turpentine,
Tar,
Teas, coffee and spices retail stocks of,
Tow, in bales,
Turpentine,
Undertakers' stocks,
Wine, in glass, unpacked.

EXTRA HAZARDOUS—No. 3.

The following TRADES AND OCCUPATIONS, subject the building and its contents to an increased charge.

Axetlen Stores,
Bag making (cloth), hand power,
Bakeries, with ovens outside the building, and using coal only,
Blacksmiths' and farriers,
Blacksmith shops,
Block and pump making,
Bottling cellars,
Boot and shoe manufacturing, by hand power only,
Copperplate printing,
Cotton inking,
Daguerreotype and photographic establishments,
Eating Houses,
Electro-plating,
Fringe making by hand power,
Furs, cutting and sewing without fire heat,
Gas fitting,
Gilding,
Gun repairing,
Hoop Skirt manufacturing by hand, without fire heat,
Hat dyers, green or chip bleachers,
Lager beer saloons, (log),
Lithographers,
Map mounting and varnishing,
Mattress manufacturers,
Porter houses, bar rooms, sample rooms and retail liquor stores.
Plumbing and pavioring,
Rectifying liquors by cold process only,
Refineries,
Restaurants,
Saddlers and harness manufacturers,
Tanneries, (log,
Tin or sheet iron, or copper work.

SPECIALLY HAZARDOUS.

The following TRADES, OCCUPATIONS AND MERCHANDISE, add to the rate of the building and its contents 50 cents and upward per $100, and to be covered must be specially written in the Policy.

Acids, nitric, sulphuric, muriatic and other corrosive acids,
Bakeries, ovens using wood or shavings,
Bookbinders,
Boots and Shoes manufactories, (with fire heat),
Box repairing,
Breweries,
Brush and Hollow manufactories (with fire heat),
Cabinet making, and stocks of cabinet ware (with privilege to varnish, repair and upholster),
Camphene on sale,
Carding,
Cotton and satin mills,
Confectionery manufactories,
Cooper shops,
Cotton brokers' samples,
Cotton Presses,
Cotton, in bales,
Cotton, loose,
Cotton, unpacked,
Druggists' stocks (privilege of compounding,
Druggists' stocks, wholesale,
Ether,
Fireworks,
Furs, unpacked,
Furs, off, or wool hat finishing, (with use of fire heat to steam and block the bodies),
Gold pen making,
Hoop Skirt hoop manufacturing and finishing,
Hemp, unpacked,
Hoop-skirt manufactories,
Houses being built, altered or repaired,
Japanning,
Jewelry manufactories,
Jewelry, case making,
Lard Oil,
Lasting manufactories,
Lampedilers' stocks (with privilege of keeping camphene or burning fluid),
Linen, unpacked (stocks of),
Lumber, on sale,
Manilla, unpacked,
Menges,
Musical instruments, manufactories, or stocks of
Oil Cloth Factories,
Oiled Clothing (stocks of),
Oils, rosin and similar
Packing buildings and yards,
Paper bag manufactories,
Paper box and hand-box making,
Perfumery manufactories,
Pictures and Prints,
Printing of books and job printing,
Printing of books and job print-
Printed novels, (log,
Furniture in process of building stores, (medical.
Linen, unpacked (stocks of),
Salpeter,
Steel Grass, unpacked,
Sugar manufactories,
Shingles,
Stocking makers' manufactories,
Smoke-houses,
Stitch gas making or selling,
Stave yards,
Steam boilers, in use,
Stove manufactories,
Theatres and other places of public exhibition,
Tobacco manufactories,
Tobacco, unpacked,
Trunk shops (grocers' stocks of),
Trunk making,
Type or stereotype foundries,
Umbrella manufactories,
Upholsterers' stocks,
Window-sash manufactories,
Wood and Willow ware and baskets (stocks of),
Wool waste, and all mills, workshops, factories, manufactories, and all trades and occupations, not above enumerated or hazardous or extra hazardous.

For Value Received,.....*hereby transfer, assign, and set over unto*

.....*and*.....*assigns,*

all.....*title and interest in this Policy, and all advantages to be derived therefrom.*

WITNESS,.....*hand, this*.....*day of*.....

Signed and Delivered in presence of }

Approved,

.....

Secretary.

THE

GERMANIA INSURANCE COMPANY

OF NEWARK, N. J.

DIRECTORS.

GEORGE C. WEBNER,
DR. J. A. CROSS,
JOSEPH HENSLER,
BENEDICT PRIETH,
TOBIAS WIEDENMAYER,
HORACE ALLING,
HENRY SAUERBIER,
JAMES M. PATERSON,
CHRISTIAN MILLER,
DR. WILLIAM O'GORMAN,
GOTTFRIED KRUEGER,
JAMES L. GURNEY,
FERDINAND KUEHNHOLD,
PETER WITZEL,
JOHN LEWIS.

OFFICERS.

JULIUS B. BROSE, Secretary.
THEODORE HORN, Surveyor.
JAMES M. PATERSON, President.
GEORGE C. WEBNER, Treasurer.

Premises, Menlo Park N.J.

Expires, April 15th 1879

No. 24367

PLEASE READ CONDITIONS OF THIS POLICY

SEE EACH PAGE.

THE

GERMANIA

Insurance Company,

OF NEWARK, N. J.

Thomas A. Edison

Amount, $ 2666.67

Premium, 26.67

Haag

Edition March, 1876.

The Hatch Lithographic Company, 32 & 34 Vesey St., N. Y.

SHORT RATE TABLE.

This table gives the *per centum* of premium earned for one month and upward on the gross premium of a one, two, three, or five years policy.

This *per cent.* is to be retained when a policy is surrendered for cancellation. Fractions of a month to be computed as a full month.

Time the Policy has been in Force. Compute from Date.	If written for One year retain	If written for Two years retain	If written for Three years retain	If written for Five years retain
1 month	20 p. ct.	13 p. ct.	10 p. ct.	7 p. ct.
2 months	30 p. ct.	20 p. ct.	17 p. ct.	11 p. ct.
3 months	40 p. ct.	25 p. ct.	20 p. ct.	15 p. ct.
4 months	50 p. ct.	30 p. ct.	23 p. ct.	18 p. ct.
5 months	60 p. ct.	35 p. ct.	27 p. ct.	20 p. ct.
6 months	70 p. ct.	40 p. ct.	30 p. ct.	22 p. ct.
7 months	75 p. ct.	45 p. ct.	33 p. ct.	24 p. ct.
8 months	80 p. ct.	50 p. ct.	37 p. ct.	26 p. ct.
9 months	85 p. ct.	55 p. ct.	40 p. ct.	28 p. ct.
10 months	90 p. ct.	60 p. ct.	43 p. ct.	30 p. ct.
11 months	95 p. ct.	65 p. ct.	47 p. ct.	32 p. ct.
12 months	100 p. ct.	70 p. ct.	50 p. ct.	34 p. ct.
13 months	......	[illegible]	[illegible]	36 p. ct.
14 months	......	[illegible]	[illegible]	38 p. ct.
15 months	......	[illegible]	[illegible]	40 p. ct.
16 months	......	[illegible]	[illegible]	42 p. ct.
17 months	......	[illegible]	[illegible]	44 p. ct.
18 months	......	[illegible]	[illegible]	46 p. ct.
19 months	......	[illegible]	[illegible]	48 p. ct.
20 months	......	[illegible]	[illegible]	50 p. ct.
21 months	......	[illegible]	[illegible]	52 p. ct.
22 months	......	[illegible]	[illegible]	54 p. ct.
23 months	......	[illegible]	[illegible]	56 p. ct.
24 months	......	100 p. ct.	[illegible]	58 p. ct.
25 months	......	......	[illegible]	60 p. ct.
26 months	......	......	[illegible]	62 p. ct.
27 months	......	......	[illegible]	64 p. ct.
28 months	......	......	[illegible]	66 p. ct.
29 months	......	......	[illegible]	68 p. ct.
30 months	......	......	[illegible]	70 p. ct.
31 months	......	......	[illegible]	71 p. ct.
32 months	......	......	[illegible]	72 p. ct.
33 months	......	......	[illegible]	73 p. ct.
34 months	......	......	[illegible]	74 p. ct.
35 months	......	......	[illegible]	75 p. ct.
36 months	......	......	100 p. ct.	76 p. ct.
37 months	......	......	......	77 p. ct.
38 months	......	......	......	78 p. ct.
39 months	......	......	......	79 p. ct.
40 months	......	......	......	80 p. ct.
41 months	......	......	......	81 p. ct.
42 months	......	......	......	82 p. ct.
43 months	......	......	......	83 p. ct.
44 months	......	......	......	84 p. ct.
45 months	......	......	......	85 p. ct.
46 months	......	......	......	86 p. ct.
47 months	......	......	......	87 p. ct.
48 months	......	......	......	88 p. ct.
49 months	......	......	......	89 p. ct.
50 months	......	......	......	90 p. ct.
51 months	......	......	......	91 p. ct.
52 months	......	......	......	92 p. ct.
53 months	......	......	......	93 p. ct.
54 months	......	......	......	94 p. ct.
55 months	......	......	......	95 p. ct.
56 months	......	......	......	96 p. ct.
57 months	......	......	......	97 p. ct.
58 months	......	......	......	98 p. ct.
59 months	......	......	......	99 p. ct.
60 months	......	......	......	100 p. ct.

RECEIPT FOR CANCELLATION.

Newark, N. J., ... 187......

Received of the GERMANIA INSURANCE COMPANY,

.... Dollars, Return Premium, in consideration of which this Policy is hereby cancelled and surrendered to the Company.

....

CLASSES OF HAZARDS.

HAZARDOUS.

Bristles and Hair Cloth (wholesale), Boots and Shoes (wholesale), including India rubber boots and shoes, Carpets (retail stocks of), Card Printing (by hand-power), Carriage Trimmings, Carriages and Sleighs, Clothing (wholesale stocks of), ready-made, Coffee, Cordage, Cotton Batts and Wadding, Cotton Yarn, Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages,

Dry Goods (wholesale stocks of), Drugs, dry, in packages (importers' stocks of), Flax, in bales, Fire Crackers, in packages, Flocks, Flour, Fruits (wholesale stocks of), Furs and Peltries, in unbroken packages, Furs, unpacked, Grocers' Stocks, Grocers' Stocks (retail), Glass, window, in boxes, Gum Copal, Gum Shellac, Gunny Cloth and Gunny Bags,

Gutta Percha, unmanufactured, Hardware, staple, in packages, Hatters' Furs (stocks of), Hats and Caps (wholesale stocks of) without manufacturing, Hemp, in bales, Hides and Sole Leather, Hops, in bales, India Rubber, unmanufactured, Indigo, Iron-ware, wholesale, (also, stoves, tin-ware and hollow-ware), Iron Goods, ornamental, Japanned and bronzed (stocks of), Leather, Morocco and Findings, Machinery (stocks of), on sale,

Manilla Grass, in bales, Men's Straw Hats and Caps (stocks of), Nails (stocks of), Oakum, in bales, Oil (fish and vegetable), Oil Cloths (stocks of), Paints, ground in oil, Paper in reams, and Straw boards, Paper Hangings (wholesale), Pins (stocks of), Pot, Pearl and Soda Ashes, Provisions, Rice, Saddlery and Harness (stocks of), Sail-making, Salt,

Sewing Machines (stocks of), Sisal Grass, in bales, Spices, Sugars, Sulphur, Tallow, Teas, Threshed Grain, Tobacco, plug and twist, in boxes or kegs (wholesale). [See Extra Hazardous.] Trunks (stocks of), Whalebone, Whiskey, in barrels (stocks of), Wool, Wines and Liquors, in packages (importers' stocks of).

EXTRA HAZARDOUS.

Artificial Flowers, Artists' materials, Auction stores, Agricultural Implements, including Seedmen's stocks, Alcohol, Apothecaries' stocks, Asphaltum, Bandboxes (stocks of), Booksellers' stocks, Boots and Shoes (retail), Brushes (stocks of), Bag making (cloth), by hand-power, Bakeries, with ovens outside the building, and using coal only, Basket selling, Billiard Saloons and contents, Blacksmith Shops, Boot and Shoe manufacturing by hand-power only, Bottling Cellars, Brush-makers' stock, Cabinet-ware, without manufacturing, repairing, upholstering or varnishing, Carving, by hand-power, China, unpacked; Clothing, ready-made (retail stocks of), also merchant tailors, Confectioners' stocks, Corks (stocks of),

Car-springs (gutta percha or India rubber), China, or earthen or glass-ware (wholesale and retail stocks of) with privilege of packing or unpacking, Copper-plate printing, Coopers' shops (strapping boxes only), Corset making, Daguerreotype and Photographic stocks, Daguerreotype and Photographic Establishments, Dress Trimmings (stocks of), Dry Goods (retail stocks of), Earthen ware (unpacked), Eating houses, Electro-plating, Essential Oils, Fancy Goods (wholesale and retail stocks of), Feathers (stocks of), Fishing Tackle, Fringes (stocks of), Fringe making, by hand-power, Fruits (retail stocks of), Furriers' and Hatters' stocks, unpacked, Furs, cutting and sewing, without fire heat, Gas Fitting, Gas Fixtures, Gentlemen's Furnishing Goods (wholesale and retail stocks of),

Gimps (stocks of), Glass, window or plate, unpacked, Glass-ware, unpacked; looking-glasses, unpacked, Gilding, Gun repairing, Gutta Percha Goods, except boots and shoes, Hardware and Cutlery, Hats and Caps (retail), without manufacturing, Hat (straw, grass or chip) bleaching, Hay and Straw, pressed in bundles, Hoop Skirts and Hoop Skirt materials (stocks of), Hoop Skirt manufacturing by hand, without fire heat, House-furnishing goods (retail stocks of), India rubber goods (stocks of), except boots and shoes, Iron (hoop, sheet and rod), Jewelers' and Watchmakers' stocks, Kid Gloves (stocks of), Ladies' and Childrens' furnishing goods (stocks of), Laces and Embroideries (wholesale), Lampsellers' stocks, without camphene, burning fluid, spirit gas and kerosene, Lager Bier Saloons, Lime, unslacked (stocks of), Liquors in glass, unpacked, Lithographers,

Looking-glasses (stocks of), with privilege of packing or unpacking, Map mounting and varnishing, Matches, on sale (stocks of), Metals, in bars, pig and tin plates, Military goods (stocks of), Millinery goods (wholesale and retail stocks of), Needles (stocks of), Optical and mathematical instrument makers' stocks, Painter's stocks, Paper Hangings (retail stocks, Paper Collars, Paper Boxes (stocks of), Pawnbrokers' stocks, Perfumers' stocks, Precious Stones, Percussion Caps, Piano fortes, in ware-rooms, Picture-frame joining, Pitch, Plumbing and pewtering, Pocket-book makers' stock, Pocket-book making (without use of fire heat), Porter houses, Bar rooms, Sample rooms, and retail Liquor stores, Rags, in bales, Rectifying Liquors by cold process only, Refectories,

Restaurants, Resin, Saddlery and Harness manufacturing, Sheet Iron and Copper ware (retail), Shirt manufactories (without ironing), Ship Chandlery, Silversmiths' stock, Silver and Plated-ware, Spirits of Turpentine, Stationers' stock, Stoves (retail stocks of), Straw goods (wholesale and retail stocks of), Tar, Tailors' Trimmings (stocks of), Tin and Hollow-ware (retail), Tin or Sheet Iron or Copper working, Tobacco, leaf and cut, cigars and snuff (wholesale and retail), Tow, in bales, Turpentine, Umbrellas and Parasols (wholesale and retail), with privilege to put together and finish by hand only, Upholsterers' stocks, Watchmakers' tools, Watches, in packages, as imported, Wine, in glass, unpacked, Worsted and fancy wools (importers' stocks of), Yankee Notions.

SPECIALLY HAZARDOUS.

Acids (nitric, sulphuric, muriatic, and other acids causing ignition), Band-box and Paper-box making, Bakeries, ovens within the building, or using wood or shavings, Bark mills, Bellows making, Bleaching works, Blind makers' shops, Blacksmithing, Block and Pump making, Boat builders' shops, Book binderies, Boot and Shoe manufactories, with fire heat, Box repairing, Brass foundries, Breweries, Brick yards, with kilns, Brimstone works, Brush manufactories, Burning Fluid, Cabinet-makers' shops, Cabinet ware (stocks of), with privilege to varnish and upholster, Candle manufactories, Camphene, on sale, Cap manufactories, Carpenters' shops, Chair-makers' shops, Chemical laboratories, Coach-makers' shops, Coffee and Spice mills, Comb manufactories, Confectionery manufactories,

Coopers' shops, Coppersmiths' shops, with forges, Corn kilns, Cotton mills, Cotton presses, Cotton in bales, Cotton unpacked, Distilleries and Rectifying establishments, Drug stores, with privilege of compounding, Druggists' stock (wholesale), Drug and Spice mills, Dyeing establishments, Ether, Fire-works, Fire-work manufactories, Flax-mills, Flax unpacked, Floor-cloth manufactories, Fringe manufactories, Fulling mills, Fur Dressing establishments, Gas Fixtures manufactories, Gas manufactories, Glass manufactories, Gold Pen making, Grate manufactories, Grist or Flouring mills, Gun manufactories, Gunpowder, Hat manufactories, Hay, unpacked, Hay Presses, Hemp manufactories, Hoop Skirt manufactories, by machinery or fire heat,

Hemp, unpacked, Hotels, Houses building or repairing, Ink manufactories, India Rubber and Gutta Percha manufactories, Iron Foundries, Ivory-black and Lamp-black manufactories, Japanning, Jewelry manufactories, Jewelry Case making, Junk shops, Lamp manufactories, Lampsellers' stocks (with privilege of keeping camphene or kerosene), Laundries, Lime yards and sheds, Lime, unslacked, Livery Stables, Looking-glass and Picture Frame Manufactories, Lumber yards, Machine shops, Manilla Grass, unpacked, Mahogany yards, Malt houses, Match manufactories, Metal Mills, Musical instrument manufactories, Musical instruments (stocks of), Mungo, Nitrate of Soda, Oiled Clothing manufactories, Oiled Clothing (stocks of), Oil mills and manufactories,

Oils, resin, and similar, Oil refineries, Omnibus stables, Packing buildings and yards, Paper Bag manufactories, Paper Hanging manufactories, Paper Mills, Percussion Cap manufactories, Perfumery manufactories, Phosphorus, Pictures and Prints, Planing, or Grooving, or Moulding Mills, Plating, Plated-ware manufacturing, Pocket-book making, Pork houses, Powder mills, Printed Music, Printing of Books, and Job Printing, Print Works, Provisions in process of being smoked, Rag stores, Rags and Paper stock, Rolling mills, Rope and Cordage manufactories, Safe (iron) manufactories, Saltpetre, Sash-makers' shops, Saw mills, Segar manufactories, Ship building or repairing, Shoddy, Silversmiths manufactories, Smoke houses, Snuff mills, Soap manufactories,

Spirit Gas manufactories, and Spirit Gas on sale, Stave Yards, Steamboats, Steam Boilers in use, Steam Engines in use, Stove manufactories, Sugar refineries, Tallow Melting establishments, Tanneries, Tar boiling establishments, Taverns, Theatres and other places of public exhibition, Timber yards, Tobacco manufactories, Tow, unpacked, Toys (shop-keepers' stocks of), Trunk making, Turpentine distilleries, Type and Stereotype founders, Umbrella manufactories, Upholstery manufactories, Varnish manufactories, Wheelwrights' shops, Window Shade Painting, Wood and Willow ware (stocks of), Woolen mills, Wool Waste.

And generally all workshops, mills and manufacturing establishments, and all trades and occupations requiring the use of fire heat not above enumerated as hazardous or extra hazardous.

The Germania Insurance Company hereby consent that the within Policy of Insurance be assigned, subject to the conditions thereof, to ....

....

For Value Received, ... hereby assign the within Policy subject to the conditions thereof, to ....

....

The Germania Insurance Company

STOCK COMPANY. INCORPORATED 1870.

OF NEWARK, N.J.

No. 24367 $2666.67

In Consideration of the Receipt of Twenty Six 67/100 Dollars

Do Insure Thomas A. Edison

Against Loss or Damage by Fire

To the Amount of Twenty Six Hundred and Sixty Six 67/100 Dollars

$1000. On his two story frame Building occupied as a Labratory situate on the South westerly corner of Christie and Middlesex Av. Menlo Park N.J.

266.67 On his Engine and Boiler and

1400. On his Telegraphic Instruments, Electrical and Other Machinery and Apparatus, Chemical Apparatus and Materials used in experimenting. Printed Books, Shop & Office furniture and fixtures, Shafting, Belting, Pullies, Hangers, Piping, Tools and Implements of trade all contained in above described building.

Other concurrent Insurance permitted

Apl 14 76. Privilege to use Kerosene Oil for light

Julius [illegible]

Sum Insured, $2666.67

Term, One Year

Rate, 1%

Premium, $26.67

And said **Germania Insurance Company** hereby agrees to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the Thirteenth day of April one thousand eight hundred and seventy Six at 12 o'clock at noon, to the Thirteenth day of April one thousand eight hundred and seventy Seven at 12 o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss; and to be paid in sixty days after the proofs of the same required by the Company shall have been made by the assured, and received at this office, and the loss shall have been ascertained and proved in accordance with the terms and provisions of this Policy, unless the property be replaced, or the Company have given notice of their intention to rebuild or repair the damaged premises.

1. The application, survey, plan, or description of the property herein insured referred to in this Policy, shall be considered a part of this contract, and a warranty by the assured during the time this Policy is kept in force; any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have, or shall hereafter make any other contract of insurance, *whether valid or not, on the property hereby insured*, or any part thereof, without the consent of this Company written hereon; or if the above-mentioned premises shall at any time be occupied or used so as to increase the risk, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, or if the premises become unoccupied without the assent of this Company endorsed hereon; or if it be a manufacturing establishment running in whole or in part over, or extra time, or running at night, or if it shall cease to be operated, without special agreement endorsed on this Policy; or if the property be sold or transferred, or upon the passing or entry of a decree of foreclosure, or upon a sale under a deed of trust; or if the property insured be assigned under any bankrupt or insolvent law, or any change takes place in title, or possession (except in case of succession by reason of the death of the assured), whether by legal process, or judicial decree, or voluntary transfer or conveyance; or if this Policy shall be assigned before a loss without the consent of this Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; *or if in said premises there be kept* gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naphtha, gasoline, benzine, benzole or benzine varnish, or there be kept or used therein camphene, spirit gas, or any burning fluid or any chemical oils, without written permission in this Policy; then, and in every such case, this Policy shall *become void.*

2. This insurance does not apply to or cover jewels, plate, watches, scientific or musical instruments (piano-fortes in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models or curiosities, unless particularly specified in this Policy, and in no case exceeding the cost thereof unless by special agreement. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in *or on* buildings unless the chimneys thereof are of stone or brick; nor in consequence of any neglect or deviation from the laws or regulations of police where such exist; nor for any loss caused by the explosion of gunpowder, camphene, or any explosive substance; nor by lightning, or explosions of any kind, unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning; nor for loss or damage caused by removal of property except it be proved that such removal was necessary to preserve the property, in which case the damage shall be borne by the assured and the Company, in proportion as the sum hereby insured bears to the whole value of the property insured. ☞ If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

3. If the interest of the assured in the property be any other than the entire, unconditional and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground it must be so represented to the Company and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or is otherwise disposed of, so that all interest or liability for loss thereon by fire or otherwise on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. *Goods held on storage are not insured under this Policy unless specifically mentioned.*

4. If during this insurance the above-mentioned premises shall be used for any trade, business or vocation, or for storing, using or vending therein any of the articles, goods or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the class of hazards printed on the back of this Policy (*excepting such as have a star prefixed*); or if the occupation of such premises be changed from one of the class denominated extra hazardous, or specially hazardous, to that of another of the same class, except as herein specially agreed to in writing upon this Policy; then and from thenceforth, so long as the same shall be so appropriated, applied or used, this Policy shall cease and be of no force or effect.

5. This insurance (the risk not being changed) may be continued for such further time as shall be agreed on, provided the premium therefor is paid, and the receipt signed by the officers of the Company is given for the same; and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified hereon; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, the Policy and renewal shall be void.

6. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. This insurance may also be terminated at any time at the option of the Company, on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of this Policy to any person named in this Policy, whether as owner, mortgagee or otherwise; and it is a part of this contract, that any person other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to this insurance.

7. It is further understood and made part of this contract that the Agent of this Company has no authority to waive, modify or strike from this Policy any of its printed Conditions, nor is his assent to an increase of risk binding upon the Company, until the same is endorsed, in writing, on the Policy, and the increased premium paid; nor, in case this Policy shall become void by reason of the violation of any of the conditions thereof, has the Agent power to revive the same, and that a new Policy intended to replace any Policy so made void shall be of no effect until its actual issue and delivery thereof to the assured, any contract by parole or understanding with the Agent to the contrary notwithstanding.

8. The use of general terms, or anything less than a distinct, specific agreement, clearly expressed, and endorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and as soon after as possible render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate under the hand and seal of a Magistrate or Notary Public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such Magistrate or Notary Public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe thereto when the same is reduced to writing, and shall also produce their books of account, bills, invoices and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company; and as a part of the preliminary proofs of loss, the assured shall, if the claim be for building destroyed by fire, procure the duly verified certificate of some reliable and responsible builder, as to the actual cash value of it immediately before said fire, and, if requested to do so, shall furnish the Company with correct plans and specifications of the buildings destroyed, or exact copies thereof, which shall be duly verified by the oath of the assured, which shall be attached to and form a part of such proofs.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company of the whole, naming the quantity, quality and cost of each article. The amount of sound value and of damage shall be determined by mutual agreement of the Company and the assured, or failing to thus agree, the same shall then be determined by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured, *or sufferers*) to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any Magistrate or other properly commissioned person; one-half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, certificates, *plans and specifications* are produced, and examinations and appraisals are permitted by the claimant, the loss shall not be payable. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after the fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole ownership, the names of the respective owners shall be set forth in the proofs of loss, together with their respective interests therein. If this Policy is made payable in case of loss to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud by false swearing or otherwise, shall forfeit all Claim on this Company, and be a perpetual bar to any recovery under this Policy.

In case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party be submitted to impartial arbitrators, whose award, in writing, shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and it shall be optional with the Company to repair, rebuild or replace any property lost or damaged, with other of like kind and quality within a reasonable time, giving notice of their intention so to do within sixty days after receipt of proofs herein required.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing the same shall be made, to ascertain the actual cash value.

10. In case of any other insurance upon the property hereby insured, whether valid or not, or made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount so insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to conditions of average, this Policy shall be subject to average in like manner. Any *Insurance*, floating or otherwise, attaching, in whole or in part, to the property covered by this Policy, shall, as between the assured and this Company, be considered as contributing insurance for the full amount thereof, and liable as such to pay PRO RATA any loss, total or partial, on the property hereby insured.

In case of a claim under a Policy of Re-insurance, the liability of this Company under this Policy shall be in the proportion that the sum re-insured shall bear to the whole sum covered by the re-insured Company.

11. It is furthermore hereby provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next ensuing after the loss shall occur, provided, however, that the time consumed, after the selection of arbitrators, in the arbitration of any claim under this Policy, shall not be accounted a part of such twelve months; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

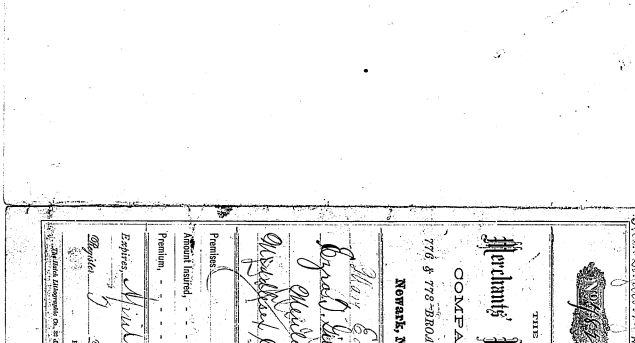
☞ THE USE OF KEROSENE OIL permitted, on condition that the same be drawn and the lamps be filled and trimmed by daylight only, provided the quality is of the Standard required by the laws of the State in which this Policy is issued, but in no case below the U. S. Standard of 110° Fahrenheit. GAS.—The generating or evaporating within the building or contiguous thereto, of any illuminating gas or vapor, is prohibited, under this Policy, unless permitted in writing thereon. FENCES AND OTHER YARD FIXTURES, Sidewalks, Store Furniture and Fixtures are not covered by insurance on the building, but must be separately and specifically insured. PLATE GLASS doors and windows, when the plates are of the dimensions of nine square feet or more, are not covered by insurance on the building, but must be separately and specifically insured. FRESCOED WORK or gilding, on walls or ceilings, is not covered by insurance on the building, but must be separately and specifically insured. BUILDER'S RISK.—The working of carpenters, roofers, tinsmiths, gasfitters, plumbers and other mechanics, in building, altering or repairing the premises named in this Policy, will vitiate the same, unless notice thereof be first given this Company and its permission for such work be endorsed in writing hereon, excepting in dwelling houses only, where five days are allowed in any one year for incidental repairs without notice or endorsement.

AND IT IS HEREBY MUTUALLY UNDERSTOOD AND AGREED by and between this Company and the assured, that this Policy is made and accepted upon and with reference to the foregoing terms and conditions, and to the classes of hazards, memoranda and conditions printed on the second page of this Policy, all of which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, The GERMANIA INSURANCE COMPANY, of Newark, N. J., have caused these PRESENTS to be signed by their PRESIDENT and attested by their SECRETARY, in the CITY of NEWARK, this Thirteenth day of April in the year of our Lord one thousand eight hundred and seventy Six.

Julius [illegible], **Secretary.**

[illegible] Paterson, **President.**



The Merchants' Insurance Co.,

776 & 778 BROAD STREET, NEWARK, N. J.

CASH CAPITAL, - $200,000. CASH ASSETS, July 1, 1873, - $640.000.

DIRECTORS.

SILAS MERCHANT,
GEO. B. GUERIN,
C. G. CRANE,
MOSES T. BAKER,
HORACE FREEMAN,
O. L. BALDWIN,
GEO. M. DAWES,
HENRY POWLES,

PRESIDENT,
Vice-President, Master Builder.
Bailey, Crane & Webster.
Master Builder.
Insurance Agent.
Cashier Mechanics' National Bank.
305 Washington Street.
Secretary.

J. SPENCER GOBLE,
C. S. TITSWORTH,
D. C. DODD, Jn.,
N. F. BLANCHARD,
LEWIS J. LYONS,
SAMUEL ATWATER,
JOHN D. HARRISON,

Gen'l Agent Mutual Life Ins. Co., N. Y.
Counsellor at Law.
Dodd & Hedges, Jewelers.
Blanchard Bro. & Lane, Patent Leather.
Manufacturer of Boilers.
Atwater & Carter, Grocers.
Patent Leather.

CLASSES OF HAZARDS.

The following CLASSES OF HAZARDS *are given, defining the terms used in the written and printed portion of this Policy.*

FIRST CLASS.

ALL BUILDINGS used as stores or warehouses are privileged to contain any of the articles enumerated in this class, and the following wholesale stocks of MERCHANDISE may be insured at 5 cents per $100 in addition to the rate of the building.

NOT HAZARDOUS.

Carpets,
Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages,

Coffee,
Flour,
Provisions,
Rice,

Spices,
Sugars,
Fats and Potatoes in unbroken packages.

* Grocers' Stocks,
Hides and Sole Leather,
Teas,
Threshed Grain,
*This does not embrace stocks composed mainly of Liquors.

Tobacco, plug and twist, in boxes or kegs (wholesale), in Wholesalers.
5. See Extra hazardous.

HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 15 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Boots and Shoes (wholesale), including India rubber boots and Carpets (retail), Carriage Trimmings, Carriages and Sleighs, Clothing (wholesale), ready-made,

Coalage,
Cotton Yarn,
Dry Goods (wholesale),
Fruits (wholesale),
Gunny Cloth and Gunny Bags,

Hardware (staple), in packages,
Hats and Caps (wholesale), without manufacturing,
Hatter's Furs,
Hops, in bales,

Iron ware, stoves, tin ware and japanned ware (wholesale),
Indigo,
Leather, Morocco and Findings,
Nails,
Paper in reams and straw boards,

Paper Hangings (wholesale),
Paints,
Saddlery and Harness,
Salt,
Trunks.

EXTRA HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 25 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Artificial Flowers,
Artists' Materials,
Books,
Boots and Shoes (retail),
Brushes,
Carriages, without manufacturing, repairing, upholstering or varnishing,
China, Earthen or Glass ware, unpacked,
Clothing, ready-made (retail),
Confectionery, without manufacturing,
Cotton Yarns, Dress Trimmings,
Dry Goods (retail),

Feathers,
Fancy Goods (wholesale and retail),
Fishing Tackle,
Fringes,
Fruits (retail),
Gold and Silver,
Gum Goods, including goods, wholesale and retail,
Glass (stocks of),
Glass, window or plate, unpacked,
Glassware, unpacked,
Hardware, not enumerated,
Hosiery and Gloves,

Hoop skirts and hoop skirt materials, on manufacturing,
House furnishing goods (retail),
Iron Goods, ornamental, Japanned and bronzed,
Iron (heavy, sheet and rod),
Jewelers' & Watchmakers' stocks,
Jewelry and Children's furnishing goods,
Laces and Embroideries (wholesale),
Lamps, without camphene, burning fluid or oil, Lamp burners,
Machinery, on mills,
Metals, in bars, pig and tin plates

Military goods, (retail),
Millinery goods (wholesale and retail),
Musical Instruments,
Optical and Mathematical instruments,
Paper hangings (retail),
Paper Collars,
Perfumery,
Photo. Materials,
Sewing Machines,
Steel iron and copper wares (retail),
Stiff manufactories (without heating),
Stoves (plated ware),
Stationery,
Stoves (retail),

Straw goods (wholesale and retail),
Tailors' Trimmings,
Tobacco, cigars (retail),
Tobacco, leaf and cut, cigars and snuff, wholesale and retail,
Umbrellas and Parasols (wholesale and retail, with privilege to put together and finish by hand only),
Watchmakers' tools,
Watches, in packages as imported,
Window Glass in boxes,
Worsted and fancy goods,
Yankee notions.

SECOND CLASS.

ALL BUILDINGS containing any of the articles of Merchandise enumerated in this class above hazardous, or in which any trade or occupation mentioned is carried on must pay an additional premium corresponding to the rate charged for the merchandise, trade or occupation as classified and enumerated.

HAZARDOUS—No. 2.

The following TRADES, OCCUPATIONS AND MERCHANDISE, are charged 15 cents per $100 more than the building, and require a corresponding rate upon all its contents.

Card Printing (by hand power),
Drugs, dry in packages, Importers' Drugs in Bales, (not stocks of),
Flaxseed,
Grocers' stocks (retail),

Manilla, grass, in bales,
Men's straw hats and caps (stocks of), Oil Cloth, Oil Cloth (stocks of),
Oil cloth, in packages,
Oil cloth (stocks of),
India Rubber,

Palmetto ground in Oil,
Pot, Pearl and Soda Ashes,
Rail Making,
Rope, Cross, in bales,
Sulphur,

Tallow,
Whaleship, Wines and Liquors, in casks and packages (stocks of),
Wool.

EXTRA HAZARDOUS—No. 2.

The following ARTICLES OF MERCHANDISE, subject the building and its contents to an increased charge.

Agricultural Implements, including seedsmen's stocks,
Alcohol,
Apothecaries' stocks,
Asphaltum,
Brush makers' stocks,
China, earthen or glass ware, with privilege of packing or unpacking,

Car Springs (of gutta percha or India rubber),
Carbon Bisulphide,
Daguerreotype and photographic materials,
Essential oils,
Gutta percha goods (except boots and shoes),

Gas Fixtures,
Hay and Straw, in bales,
India rubber goods (stocks of), except boots and shoes,
Liquors, in glass, unpacked,
Lime, without privilege of packing or unpacking,
Matches on sale (stocks of),
Patentees' stocks,

Paper boxes (stocks of),
Paperhangers' stocks,
Paraffine Oil,
Piano-fortes in warerooms,
Pitch,
Publishers' stocks,
Rags, in bales,
Rosin,
Ship chandlery,

Silversmiths' stocks,
Spirits of Turpentine,
Tar,
Tents, coffee and spices retail stocks of,
Tin, block and pigs,
Turpentine,
Upholsterers' stocks,
Wine, in glass, unpacked.

EXTRA HAZARDOUS—No. 3.

The following TRADES AND OCCUPATIONS, subject the building and its contents to an increased charge.

Auction Stores,
Bag making (cloth), hand power,
Bakeries, ovens not outside the building, and using coal only,
Billiard saloons and contents,
Blacksmith shops,
Block and pump making,
Bottling cellars,

Boat and sloop manufacturing, by hand power only,
Boat building, outside,
Cotton batting,
Daguerreotypes and photographic Establishments,
Eating Houses,
Electro-plating,

Felting making (by hand power),
Furs, cutting and sewing without dyeing,
Gas fitting,
Gilding,
Gun repairing,
Hoop Skirt manufacturing by hand, without fire heat,

Hot irons, grate or coke blacksmiths,
Lager beer saloons, (log),
Lime, slaked,
Map designing and varnishing,
Picture-frame making,
Porter houses, wine rooms, sample rooms and retail liquor stores,
Plumbing and painting,

Rectifying liquors by cold process only,
Restaurants,
Restorators,
Saddlery and harness manufacturing,
Tenons,
Tin or sheet iron, or copper work.

SPECIALLY HAZARDOUS.

The following TRADES, OCCUPATIONS AND MERCHANDISE, add to the rate of the building and its contents 50 cents and upward per $100, and to be covered must be specially written in the Policy.

Acids, nitric, sulphuric, muriatic and other corrosive acids,
Bakeries, ovens using wood or coal,
Blacksmiths,
Boat and sloop manufactories, (with fire heat),
Box repairing,
Brass Foundry,
Brush and Broom manufactories
Burning Fluid,
Cabinet making, and stocks of cabinet ware (with privilege to put together and upholstery,
Camphene, on sale,
Carding,
Coffee and spice mills,
Confectionery manufactories,
Cooper shops,

Cotton bonkers' samples,
Cotton Presses,
Cotton, in bales,
Cotton, ginned,
Cotton, unpacked,
Drug Stores, with privilege of compounding,
Druggists' stocks, wholesale,
Dyeing,
Fireworks,
Flax, unpacked,
Fur, still, or wood hot finishing, with use of fire heat to steam or dye, in a separate building,
Gold pen making,
Hat and Cap manufacturing and finishing,
Hemp, unpacked,
Hoop skirt manufactories,

Houses being built, altered or repaired,
Japanning,
Jewelry manufactories,
Jewelry, case making,
Junk shops,
Lamp manufactories,
Lampwicks' stocks (with privilege of packing or unpacking),
Lime, in packages,
Lime, unslaked (stocks of),
Livery stables,
Manilla, unpacked,
Matches,
Medical instruments, manufacturies, or stock of
Nitrous of oxide,
Oilcloth Clothing (stocks of),
Oils, rosin and similar

Packing buildings and yards,
Paper hay manufactories,
Paper hot and hand-box making,
Pickle and Sauce factories,
Pictures and Frames,
Pocket-book making,
Printing of books and job printing,
Printed music,
Rectifying in process of lodging,
Rug stores,
Rags and paper stock,
Saltpeter,
Steel Gauge, unpacked,
Stereotype manufactories,
Sugar,
Silversmiths' manufactories,
Smoke-houses,
Spirit gas making or selling,
Stave yards,

Steam boilers, in use,
Stone manufactories,
Tanneries and other places of putting in lime,
Tobacco manufactories,
Tow, unpacked,
Tow phosphorus' stocks of),
Trunk making,
Turpentine, spirits of,
Umbrella manufactories,
Upholstery manufactories,
Window-shade painting,
Wood and Willow ware and basket manufactories,
Wool, cards, and all mills, workshops and manufactories, and all trades and occupations not above enumerated as hazardous or extra hazardous.

For Value Received, ... hereby transfer, assign, and set over unto

..... and ..... assigns,

all ..... title and interest in this Policy, and all advantages to be derived therefrom.

WITNESS, ... hand, this ..... day of .....

Signed and Delivered in presence of } .....

Approved,

.....

Secretary.

THE MERCHANTS' INSURANCE COMPANY, OF NEWARK, NEW JERSEY.

Office 776 & 778 Broad St.

In Consideration of Twenty Dollars

DO INSURE Ezra T. Gilliland Against Loss or Damage by Fire

to the amount of Two Thousand Dollars

800 On special tools and machinery used for the manufacture of Edison's Electric Pens and Domestic Telegraph Instruments, and;

1200 On stock of "Edison's Electric Pens and Domestic Telegraph Instruments" manufactured, unmanufactured & in process of manufacture his own or held by him in trust or on commission or sold but not delivered contained in the two story frame composition roof machine shop. Situate on Easterly side of Penna RR. about 750 ft North Easterly from Menlo Station Menlo Park Middlesex Co. NJ

— Privilege to use kerosene oil for light lamps to be filled by daylight only. — Other insurance permitted without notice until required

Aug 10/76 Policy now good to Mary Edison, as owner Henry Powles Sec

And the said Company hereby agrees to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified from the Twenty Fourth day of April one thousand eight hundred and seventy Six, at twelve o'clock at noon, to the Twenty fourth day of April, one thousand eight hundred and seventy Seven, at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at this office, in accordance with the terms and conditions of this Policy, unless the property be replaced, or the Company shall have given notice of their intention to rebuild or repair the damaged premises.

1. If an application, survey, plan or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon, or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain for more than thirty days without notice to, and consent of, this Company in writing, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over or extra time, or running at night, or if it shall cease to be operated, without special agreement indorsed on this Policy; or if the property be sold or transferred, or any change take place in title or possession, whether by legal process, or judicial decree, or voluntary transfer, or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naptha, gasoline, benzine, benzole or benzine-varnish, or keep, or use camphene, spirit gas, or any burning fluid, or chemical oils, without written permission in this Policy, then, and in every such case, this Policy shall be void.

2. This insurance does not apply to or cover jewelry, plate, watches, musical or scientific instruments (piano-fortes and melodeons in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models, or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at, or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosion of any kind unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning. When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional, and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company, and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. If during this insurance, the above-named premises shall be used for any trade, business, or vocation, or for storing, using, or vending therein any of the articles, goods, or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the second class of hazards printed on the back of this Policy; or if the occupation of such premises be changed from one of the classes denominated hazardous or specially hazardous to that of another of the same class, except as herein specially agreed to in writing upon this Policy, then and from thenceforth, so long as the same shall be so appropriated, applied, or used, this Policy shall cease, and be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after a fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything else than a distinct, specific agreement, clearly expressed and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance upon the property herein insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. The insurance may also be terminated at any time at the option of the Company on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate, under the hand and seal of a magistrate or a notary public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such magistrate or notary public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality, and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole-ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to two or three impartial arbitrators, mutually chosen, and the award in writing of any two such arbitrators shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and provided, further, that it shall be optional with the Company to repair, rebuild, or replace the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in case this Company elect to rebuild, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

10. This insurance, the risk not being changed, may be continued for such further time as shall be agreed on, provided the premium therefor is paid and indorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person, other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to the insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ GAS.—The generating or evaporating, within the building, or contiguous thereto, of any substance for burning gas, or the use of gasoline, for lighting, is prohibited under this Policy, unless permitted in writing hereon.

☞ Fences and other Yard Fixtures, also Store Furniture and Fixtures, Plate Glass in doors and windows of the dimensions of nine square feet and upwards, goods in windows for exhibition, frescoing or other decoration on wall or ceiling, are not insured under this Policy, unless separately and specifically mentioned.

☞ BUILDERS' RISK.—The working of carpenters, roofers, tin-smiths, gas-fitters, plumbers or other mechanics, in building, altering, or repairing the premises named in this Policy will vitiate the same, unless permission for such work be indorsed in writing hereon, except in dwelling-houses only, where five days are allowed in any one year for incidental repairs, without notice or indorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, THE MERCHANTS' INSURANCE COMPANY have caused these PRESENTS to be signed by their PRESIDENT or VICE-PRESIDENT, and attested by their SECRETARY, in the City of Newark, in the County of Essex, this 24th day of April in the year of our Lord, one thousand eight hundred and seventy-Six

ATTESTED,

Henry Powles Secretary.

Silas Merchant President.

CLASSES OF HAZARDS.

The following CLASSES OF HAZARDS *are given, defining the terms used in the written and printed portion of this Policy.*

FIRST CLASS.

ALL BUILDINGS used as stores or warehouses are privileged to contain any of the articles enumerated in this class, and the following wholesale stocks of MERCHANDISE may be insured at 5 cents per $100 in addition to the rate of the building.

NOT HAZARDOUS.

Carpets,
Dry Goods, foreign and domestic, exclusively in packages and unopened packages,
Coffee,
Flour,
Provisions,
Rice,
Spices,
Sugars,
Furs and Peltries in unbroken packages.
Grocers' Stocks,
Hides and Sole Leather,
Teas,
Turpentine Stills,
*Tobacco, pipe and twist, in boxes or hogsheads (retailed), *Whaleboats,
*Wines, } See Extra hazardous.
*This does not embrace stocks composed mainly of Liquors.

HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 15 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Boots and Shoes (wholesale), including India rubber boots and Carpets (retail), Cordage, Twine, Yarns, Cordwood in packages, Clothing (wholesale), ready-made,
Cordage,
Cotton Yarn,
Dry Goods (wholesale),
Textile (wholesale),
Gunny Cloth and Gunny Bags,
Hardware (staple), in packages,
Hats and Caps (wholesale), with out manufacturing,
Hatter's Furs,
Hops, in bales,
Iron ware, stoves, tin ware and hollow ware (wholesale),
Indigo,
Leather, Morocco and Findings,
Nails,
Paper in reams and straw boards,
Pipe Hangings (wholesale),
Pins,
Rigging and Hawsers,
Salt,
Trunks.

EXTRA HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 25 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Artificial Flowers,
Artists' Materials,
Books,
Boots and Shoes (retail),
Brushes,
Cabinet ware, without manufacturing, repairing, upholstering or varnishing,
Carpets, Leather or Glass ware, unassorted,
Clothing, ready-made (retail),
Confectionery, without manufacture,
Corks,
Down Trimmings, Dry Goods (retail),
Feathers,
Fancy Goods (wholesale and retail),
Fishing Tackle, (retail),
Fringes,
Fruits (retail),
Furniture,
Gentlemen's furnishing goods, (wholesale and retail),
Gimps (stocks of),
Glass, window or plate, unpacked
Glass ware, Crockery, Looking Glasses, unpacked,
Hardware and Cutlery,
Hats and Caps (retail,) without manufacturing,
Hoop skirts and hoop skirt materials, no manufacturing,
House furnishing goods (retail),
Iron Goods, galvanized, japanned and bronzed,
Iron Jump, steel and rod,
Jewelry, Gold and Silver,
Leather and California's furnishing goods,
Laces and Embroideries (wholesale),
Lamps, without camphene, burning fluid, oil or kerosene,
Machinery, on sale,
Metals, in bars, pig and tin plates
Military goods, (retail,)
Millinery goods (wholesale and Modiste's goods,
Optical and Mathematical Instruments,
Paper hangings (retail),
Paper Collars,
Perfumery,
Photo Frames,
Sewing Machines,
Sheet iron and copper ware (retail)
Shirt manufacturies (without manufacture),
Silver and plated ware,
Stationery,
Stoves (retail),
Stove pipes (wholesale and retail)
Tailors' Trimmings,
Tin ware, Japan ware (retail),
Tobacco, leaf and cut, cigars and snuff, wholesale and retail,
Umbrellas and Parasols (wholesale and retail), with privilege to put together and finish by hand only,
Watchmakers' tools,
Watches, in packages as imported,
Window Glass in boxes,
Wooden and fancy goods,
Yankee notions.

SECOND CLASS.

ALL BUILDINGS containing any of the articles of MERCHANDISE enumerated in this class above hazardous, or in which any trade or occupation mentioned is carried on must pay an additional premium corresponding to the rate charged for the merchandise, trade or occupation as classified and enumerated.

HAZARDOUS—No. 2.

The following TRADES, OCCUPATIONS AND MERCHANDISE, are charged 15 cents per $100 more than the building, and require a corresponding rate upon all its contents.

Card Printing (by hand power),
Drugs, dry in packages (imported),
Flax, in bales, (retail stocks of),
Fowls,
Grocers' stocks (retail),
Gum Copal,
Gum Shellac,
Gutta percha,
Hemp, in bales,
India Rubber,
Manila, grass, in bales,
Morris silver hats and caps (stocks of), (wholesale),
Oil, fish and vegetable,
Oil Cloths (stocks of),
Palmetto ground in Oil,
Pen, Pearl and Bone Ashes,
Rat Picking,
Sisal Grass, in bales,
Sulphur,
Tallow,
Whaleboy, Wines and Liquors, in casks and packages (stocks of),
Wool.

EXTRA HAZARDOUS—No. 2.

The following ARTICLES OF MERCHANDISE, subject the building and its contents to an increased charge.

Agricultural Implements, including gentlemen's stocks,
Alum,
Apothecaries' stocks,
Asphaltum,
Brass makers' stocks,
Cotton, cotton or glass ware, with privilege of packing or unpacking.
Cay Springs of gutta percha or India rubbers,
Cotton Batting Wadding (stocks of),
Daguerreotype and photographic stocks,
Essential Oils,
Gutta percha goods (except boots and shoes,
Gas Fixtures,
Hay and Straw, in bales,
India rubber goods (stocks of), except boots and shoes,
Jewelry, in glass cases,
Looking glasses, with privilege of packing or unpacking,
Matches on sale (stocks of),
Patentees' stocks,
Paper boxes (stocks of),
Pawnbrokers' stocks,
Percussion Caps,
Piano-fortes in warerooms, (retail),
Porte-monnaie makers' stock,
Rags, in bales,
Rosin,
Ship chandlery,
Silverwaiters' stocks,
Spirits of Turpentine,
Tar,
Teas, coffee and spices retail stocks of,
Tobacco, in bulk,
Turpentine,
Upholsterers' stocks,
Wine, in glass, unpacked.

EXTRA HAZARDOUS—No. 3.

The following TRADES AND OCCUPATIONS, subject the building and its contents to an increased charge.

Auction Stores,
Bag making (plain), hand power,
Bakeries, with ovens outside the building, and using coal only,
Billiard saloons and contents,
Blacksmith shops,
Block and lump making,
Bottling establishments,
Boot and shoe manufacturing, by hand power only,
Copperplate printing,
Cotton ginning,
Daguerreotype and photographic establishments,
Edging Hammer,
Fancy Bag making,
Fringe making (by hand power), Fringe knitting and sewing without the loom,
Gas fitting,
Gilding,
Gum stamping,
Hoop Skirt manufacturing by hands, without the loom,
Hat ironing, gross or city blocks,
Lager beer saloons, (kegs,
Lime burning,
Map mounting and varnishing,
Plumes-frame jointing,
Purse houses, ice cream, sample rooms and retail liquor stores.
Plumbing and painting,
Rectifying liquors by cold process only,
Rope making,
Restaurants,
Saddlery and harness manufacturing,
Tycoons, } (kg.
Tin or sheet iron, or copper work,

SPECIALLY HAZARDOUS.

The following TRADES, OCCUPATIONS AND MERCHANDISE, add to the rate of the building and its contents 50 cents and upward per $100, and to be covered must be specially written in the Policy.

Acids, alkalic, sulphuric, muriatic and other mineral acids,
Bakeries, ovens hung wood or standings,
Bookbinders,
Boot and shoe manufactories, steam power,
Box regulating,
Breweries,
Brush and Broom manufactories
Burning Fluid,
Cabinet makers, and stocks of cabinet ware (with privilege to varnish, repair and upholster),
Camphene on sale,
Carving,
Coffee and spice mills,
Confectionery manufactories,
Cooper shops,
Cotton ledgers' samples,
Cotton, in bales,
Cotton, in bales,
Cotton, unpacked,
Drug stores, with privilege of compounding,
Druggists' stocks, wholesale,
Ether,
Excelsior,
Flax, unpacked,
Fuse, by hand but finishing,
Fresh use of the heat to secure and block the bodies,
Gold pen making,
Hat and Cap manufacturing and finishing,
Hemp, unpacked,
Hoop skirt manufactories,
Houses being built, altered or repaired,
Japanning,
Jewelry manufactories,
Jewelry, case making,
Junk shops,
Lamp manufactories,
Lamps, stocks, with privilege of keeping camphene or kerosene, (kerosene,
Lime, unslacked (stocks of),
Livery stables,
Manila, unpacked,
Matches,
Musical instruments, manufactories, or stock of
Nitrate of soda,
Oiled Clothing (stocks of),
Oils, crude and similar
Packing buildings and yards,
Paper hang manufactories,
Paper box and handbox making,
Perfumery manufactories,
Pitches and Pitins,
Pocket-book making,
Printing of books and job print,
Printed music, (kg.
Rag rooms, in process of sold,
Rag stores, (assorted,
Rags and paper stock,
Saltpeter,
Steel Grass, unpacked,
Steel manufactories,
Shoddy,
Silverwaiters' manufactories,
Smoke-houses,
Spirit gas making or selling,
Slave pens,
Steam boilers, in use,
Stove manufactories,
Thrashing and other places of public resort, (assorted,
Tobacco manufactories,
Tow, unpacked,
Tow pilot-coopers' stocks of,
Trunk makers,
Turning and enterprise foundries,
Umbrella manufactories,
Upholstery manufactories,
Window-shade painting,
Wood and Willow ware and baskets, (stocks of),
Wool waste, and all mills, workshops and manufactories, and all trades and occupations not above enumerated as hazardous or extra hazardous.

THE Merchants' Insurance COMPANY,
776 & 778 BROAD STREET
Newark, N. J.

Premises, Wooden frame Warehouse, situated
Amount Insured, - - - $ 2000.
Premium, - - - - - $ 20.
Expires 1 Year 2 m. 28 d
Policy No. 3322
Dated, 1 Mo 28 1873
Secretary.

SEIBERT & SCHAFER, PRINTERS.
The Book Lithographed, No. 38 & 40 Third St., N. Y.

The Merchants' Insurance Co.,

776 & 778 BROAD STREET, NEWARK, N. J.

CASH CAPITAL, - - - *$200,000.* *CASH ASSETS, July 1, 1873,* - *$640,000.*

DIRECTORS.

SILAS MERCHANT, - - - President.
GEO. B. GUERIN, - - - Vice-President, Master Builder.
C. G. CRANE, - - - Bailey, Crane & Webster.
MOSES T. BAKER, - - - Master Builder.
HORACE FREEMAN, - - - Insurance Agent.
O. L. BALDWIN, - - - Cashier Mechanics' National Bank.
GEO. M. DAWES, - - - 305 Washington Street.
HENRY FOWLES, - - - Secretary.
L. SPENCER GOBLE, - - - Gen'l Agent Mutual Life Ins. Co., N. Y.
C. S. TITSWORTH, - - - Counsellor at Law.
D. C. DODD, Jr., - - - Dodd & Hedges, Jewelers.
N. P. BLANCHARD, - - - Blanchard Bro. & Lane, Patent Leather.
LEWIS J. LYONS, - - - Manufacturer of Boilers.
SAMUEL ATWATER, - - - Atwater & Carter, Grocers.
JOHN D. HARRISON, - - - Patent Leather.

For Value Received, _____ *hereby transfer, assign, and set over unto*

_____ *and* _____ *assigns,*

all _____ *title and interest in this Policy, and all advantages to be derived therefrom.*

WITNESS, _____ *hand, this* _____ *day of* _____

Signed and Delivered in presence of } _____

Approved,

_____

Secretary.

THE MERCHANTS'

INSURANCE COMPANY,

OF NEWARK, NEW JERSEY

No.

Office 776 & 778 Broad St.

In Consideration of Twenty Dollars

DO INSURE Thomas A. Edison Against Loss or Damage by Fire

to the amount of Two Thousand Dollars

On his two story & attic frame shingle roof building and wing attached to be occupied as dwelling only. Situate about 300 feet Northerly from Menlo Park Station, Menlo Park Middlesex Co. N.J.

Permitted to use Kerosene oil for lamps to be filled by daylight only.

Other insurance permitted without notice until required.

And the said Company hereby agrees to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the Twenty fourth day of April one thousand eight hundred and seventy six, at twelve o'clock at noon, to the Twenty fourth day of April one thousand eight hundred and seventy Seven, at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at this office, in accordance with the terms and conditions of this Policy, unless the property be replaced, or the Company shall have given notice of their intention to rebuild or repair the damaged premises.

1. If an application, survey, plan or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon, or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain for more than thirty days without notice to, and consent of, this Company in writing, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over or extra time, or running at night, or if it shall cease to be operated, without special agreement indorsed on this Policy; or if the property be sold or transferred, or any change take place in title or possession, whether by legal process, or judicial decree, or voluntary transfer, or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naptha, gasoline, benzine, benzole or benzine-varnish, or keep, or use camphene, spirit gas, or any burning fluid, or chemical oils, without written permission in this Policy, then, and in every such case, this Policy shall be void.

2. This insurance does not apply to or cover jewelry, plate, watches, musical or scientific instruments (piano-fortes and melodeons in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models, or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at, or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosion of any kind unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning. When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional, and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company, and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. If during this insurance, the above-named premises shall be used for any trade, business, or vocation, or for storing, using, or vending therein any of the articles, goods, or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the second class of hazards printed on the back of this Policy; or if the occupation of such premises be changed from one of the classes denominated hazardous or specially hazardous to that of another of the same class, except as herein specially agreed to in writing upon this Policy, then and from thenceforth, so long as the same shall be so appropriated, applied, or used, this Policy shall cease, and be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after a fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything else than a distinct, specific agreement, clearly expressed and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance upon the property herein insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. The insurance may also be terminated at any time at the option of the Company on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate, under the hand and seal of a magistrate or a notary public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such magistrate or notary public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality, and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole-ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to two or three impartial arbitrators, mutually chosen, and the award in writing of any two such arbitrators shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and provided, further, that it shall be optional with the Company to repair, rebuild, or replace the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in case this Company elect to rebuild, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

10. This insurance, the risk not being changed, may be continued for such further time as shall be agreed on, provided the premium therefor is paid and indorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person, other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to the insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ GAS.—The generating or evaporating, within the building, or contiguous thereto, of any substance for burning gas, or the use of gasoline, for lighting, is prohibited under this Policy, unless permitted in writing hereon.

☞ Fences and other Yard Fixtures, also Store Furniture and Fixtures, Plate Glass in doors and windows of the dimensions of nine square feet and upwards, goods in windows for exhibition, frescoing or other decoration on wall or ceiling, are not insured under this Policy, unless separately and specifically mentioned.

☞ BUILDERS' RISK.—The working of carpenters, roofers, tin-smiths, gas-fitters, plumbers or other mechanics, in building, altering, or repairing the premises named in this Policy will vitiate the same, unless permission for such work be indorsed in writing hereon, except in dwelling-houses only, where five days are allowed in any one year for incidental repairs, without notice or indorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, THE MERCHANTS' INSURANCE COMPANY have caused these PRESENTS to be signed by their PRESIDENT or VICE-PRESIDENT, and attested by their SECRETARY, in the City of Newark, in the County of Essex, this Twenty fifth day of April in the year of our Lord, one thousand eight hundred and seventy-six.

ATTESTED,

Henry Powles, Secretary.

Silas Merchant, President.

CLASSES OF HAZARDS.

The following CLASSES OF HAZARDS are given, defining the terms used in the written and printed form of this policy:—

ALL of the contents of a building partake of the highest hazard therein, except where a star (*) is prefixed, in which case the building and its other contents are not affected.

All rate as second class, except "not hazardous" and where a star(*) is prefixed. Goods in approved fire proof safes, 30 per cent. deduction.

Merchandise contained in NOT HAZARDOUS, is to be charged five cents per $100 in addition to rate of building; HAZARDOUS, ten cents; EXTRA HAZARDOUS, twenty cents; and SPECIALLY HAZARDOUS, not less than fifty cents additional.

NOT HAZARDOUS.

Carpets, wholesale stocks of.
Chairs, in bags and crates.
Clothes, in bags and trunks.
Copper, Iron and steel, wire.
Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages, including open stocks of same which did not exceed the value of the stock, provided the said samples are not more than hazardous.
Flax, dried, selled, and scutched.
Fruit, dried, in unbroken packages.
Furs and Pelts in unbroken packages.
Grain, wholesale stocks of.
Groceries, wholesale stocks of, including merchandise classed hazardous, when the same shall not exceed ten per cent. of the stock.
Hides and Sole Leather, wholesale.
Iron, in pigs and bars.
Lead, in pigs.
Iron, copper and tron.
Paper, Rags, Rope, Jute, and Hemp.
Tobacco, wholesale stock of.
Quicksilver, in iron flasks.
Rice, wholesale.
Spelter.
Sugars, wholesale stock of.
Tin, in pigs.
Whalebone.

HAZARDOUS.

*Building stocks, stock of.
*Bricks, stock of, wholesale.
Brass—sheet, bars and rods.
Brass goods.
Brooms, stock of.
Carpets (genin percle or India rubber).
*Carpets, matting, floor and oil cloth, stocks of.
*Cement, hydraulic, stocks of.
Chemicals—salt cake, sulphate of soda, nitre-cake, sulphate of potash, muriate of soda or potash, bichromate of potash, stocks of chemical potassium.
*Clothing, ready-made, men's, women's and children's; wholesale stocks of, with or without privilege to cut.
Coal, anthracite, stocks of.
Cordage, stocks of.
Cotton waste, in bales.
Cotton, bales and wadding.
Cotton yarn.
Country jewelers, stocks of.
Crockery, stock of.
Drugs, dry and dye stuffs, in paddlings, stocks of, (not including essential oils or chemicals classed Ex. haz. or Special.)
*Dry goods, wholesale stocks of, (not including "Dry goods" hazardous stocks of), including merchandise classed extra hazardous, when the same shall not exceed thirty per cent. of the stock.
*Dyeing, printing, and finishing, stocks of, including merchandise classed extra hazardous, when the same shall not exceed thirty per cent. of the stock.
*Fancy goods, stocks of.
*Fireplaces, stocks, stocks of.
*Fire crackers, in packages.
Flax, in bales.
Flax seed and linseed, in packs.
*Flour and meal, stocks of.
*Furniture, stocks of.
*Furniture, stocks of, wholesale.
*Furniture, stocks of, wholesale.
*Furniture, stocks of, wholesale

No. 22[illegible] $2000

THE HOME INSURANCE COMPANY OF NEWARK, N.J.

In consideration of the receipt of — Twenty — Dollars

Do Insure — Thomas A. Edison —

Against Loss or Damage by Fire

To the amount of — Two Thousand — Dollars

— On machinery, shafting, belting, pulleys, lathes, planes and miscellaneous articles used in the manufacture of Edison's Electric Pen and Domestic Telegraph instruments and apparatus, contained in the two-story frame, composition roof building situate on the east side of the Pennsylvania Rail Road track about 750 feet easterly from Menlo Station, Menlo Park, Middlesex Co., New Jersey.

— Other insurance permitted without notice until required.

Privileged to burn Kerosene oil for lights

Sum Insured, $2000

Term, One Yr

Rate, 1%

Premium, $20

And the said HOME INSURANCE COMPANY hereby agrees to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the twenty fifth day of April one thousand eight hundred and seventy six, at twelve o'clock at noon, to the twenty fifth day of April, one thousand eight hundred and seventy seven at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at this office, in accordance with the terms and provisions of this Policy, unless the property be replaced, or the Company shall have given notice of their intentions to rebuild or repair the damaged premises.

1. If an application, survey, plan or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon, or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain for more than thirty days without notice to, and consent of, this Company in writing, or the risk be increased by the erection or occupation of neighboring buildings; or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over or extra time, or running at night, or if it shall cease to be operated, without special agreement indorsed on this Policy; or if the property be sold or transferred, or any change take place in title or possession, whether by legal process, or judicial decree, or voluntary transfer, or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, or any of its products, naptha, gasoline, benzine, benzole or benzine-varnish, or keep, or use camphene, spirit gas, or any burning fluid, or chemical oils, without written permission in this Policy, then, and in every such case, this Policy shall be void.

2. This insurance does not apply to or cover jewelry, plate, watches, musical or scientific instruments (piano-fortes and melodeons in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models, or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at, or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosion of any kind unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning. When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional, and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company, and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. If during this insurance, the above-named premises shall be used for any trade, business, or vocation, or for storing, using, or vending therein any of the articles, goods, or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the second class of hazards printed on the back of this Policy; or if the occupation of such premises be changed from one of the classes denominated extra hazardous or specially hazardous to that of another of the same class, except as herein specially agreed to in writing upon this Policy, then and from thenceforth, so long as the same shall be so appropriated, applied, or used, this Policy shall cease, and be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after a fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything else than a distinct, specific agreement, clearly expressed and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance, whether valid or otherwise, upon the property herein insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. The insurance may also be terminated at any time at the option of the Company on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate, under the hand and seal of a magistrate or a notary public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such magistrate or notary public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality, and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole-ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to impartial arbitrators, whose award in writing shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and provided, further, that it shall be optional with the Company to repair, rebuild, or replace the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in case this Company elect to rebuild, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

10. This insurance, the risk not being changed, may be continued for such further time as shall be agreed on, provided the premium therefor is paid and indorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person, other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to the insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ *GAS.*—The generating or evaporating, within the building, or contiguous thereto, of any substance for burning gas, or the use of gasoline, for lighting, is prohibited under this Policy, unless permitted in writing hereon. IT IS EXPRESSLY UNDERSTOOD, as a part of this Policy, that where permission is granted for the sale or use of refined petroleum or kerosene, it shall be drawn by day-light only, and where used for lights, the lamps containing said oil shall be filled by day-light only—a violation of this provision renders this Policy null and void. ☞ *Fences and other Yard Fixtures*, also *Store Furniture and Fixtures*, *Plate Glass* in doors and windows of the dimensions of nine square feet and upwards, *Stained Glass or Ornamental Windows* where the value thereof exceeds one hundred dollars each, *frescoing* or other decoration on wall or ceiling, are not insured under this Policy, unless separately and specifically mentioned. ☞ *BUILDER'S RISK.*—The working of carpenters, roofers, tin-smiths, gas-fitters, plumbers or other mechanics, in building, altering, or repairing the premises named in this Policy will vitiate the same, unless permission for such work be indorsed in writing hereon, except in dwelling-houses only, where five days are allowed in any one year for incidental repairs, without notice or indorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, The HOME INSURANCE COMPANY OF NEWARK, N. J., have caused these Presents to be signed by their PRESIDENT, and attested by their SECRETARY.

ATTESTED, 25th April 1876

[signature] Secretary.

Andrew A. Smalley President.

CLASSES OF HAZARDS.

The following CLASSES OF HAZARDS *are given, defining the terms used in the written and printed portion of this Policy.*

FIRST CLASS.

ALL BUILDINGS used as stores or warehouses are privileged to contain any of the articles enumerated in this class, and the following wholesale stocks of MERCHANDISE may be insured at 5 cents per $100 in addition to the rate of the building.

NOT HAZARDOUS.

Carpets,
Dry Goods, foreign and domestic, exclusively in unbroken and unopened packages,
Coffee,
Flour,
Provisions,
Rice,
Spices,
Sugars,
Furs and Peltries in unbroken packages,
* Grocers' Stocks,
Hides and Sole Leather,
Teas,
Threshed Grain,
Tobacco, plug and twist, in boxes or kegs (wholesale). *a.*
Whalebone.
a. See Extra hazardous.

*This does not embrace stocks composed mainly of Liquors.

HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 15 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Boots and Shoes (wholesale), including India rubber boots and shoes,
Carpets (retail),
Carriage Trimmings,
Carriages and Sleighs,
Clothing (wholesale), ready-made,
Cordage,
Cotton Yarn,
Dry Goods (wholesale),
Fruits (wholesale),
Gunny Cloth and Gunny Bags,
Hardware (staple), in packages,
Hats and Caps (wholesale), without manufacturing,
Hatter's Furs,
Hops, in bales,
Iron ware, stoves, tin ware and hollow ware (wholesale),
Indigo,
Leather, Morocco and Findings,
Nails,
Paper in reams and straw boards,
Paper Hangings (wholesale),
Pins,
Saddlery and Harness,
Salt,
Trunks.

EXTRA HAZARDOUS—No. 1.

The following stocks of MERCHANDISE, are charged 25 cents per $100 more than the building, but do not increase the rate of the building or other contents.

Artificial Flowers,
Artists' Materials,
Books,
Boots and Shoes (retail),
Brushes,
Cabinet ware, without manufacturing, repairing, upholstering or varnishing,
China, Earthen or Glass ware, unpacked,
Clothing, ready-made (retail),
Confectionery, without manufacturing,
Corks,
Dress Trimmings,
Dry Goods (retail),
Feathers,
Fancy Goods (wholesale and retail),
Fishing Tackle,
Fringes,
Fruits (retail),
Furs, unpacked,
Gentlemen's furnishing goods, (wholesale and retail),
Gimps (stocks of),
Glass, window or plate, unpacked
Glassware, unpacked, Looking-Glasses, unpacked,
Hardware and Cutlery,
Hats and Caps (retail,) without manufacturing,
Hoop skirts and hoop skirt materials, no manufacturing,
House furnishing goods (retail),
Iron Goods, ornamental, japanned and bronzed,
Iron (hoop, sheet and rod),
Jewelers' & Watchmakers' stocks
Ladies' and Children's furnishing goods,
Laces and Embroideries (wholesale),
Lamps, without camphene, burning fluid, spirit gas or kerosene,
Machinery, on sale,
Metals, in bars, pig and tin plates
Military goods, [retail),
Millinery goods (wholesale and
Needles,
Optical and Mathematical instruments,
Paper hangings (retail),
Paper Collars,
Perfumery,
Precious Stones,
Sewing Machines,
Sheet iron and copper ware (retail)
Shirt manufactories (without laundry),
Silver and plated ware,
Stationery,
Stoves (retail),
Straw goods (wholesale and retail)
Tailors' Trimmings,
Tin and Hollow ware (retail),
Tobacco, leaf and cut, cigars and snuff, wholesale and retail,
Umbrellas and Parasols (wholesale and retail), with privilege to put together and finish by hand only,
Watchmakers' tools,
Watches, in packages as imported,
Window Glass in boxes,
Worsted and fancy goods,
Yankee notions.

SECOND CLASS.

ALL BUILDINGS containing any of the articles of Merchandise enumerated in this class *above hazardous*, or in which any trade or occupation mentioned is carried on must pay an additional premium corresponding to the rate charged for the merchandise, trade or occupation as classified and enumerated.

HAZARDOUS—No. 2.

The following TRADES, OCCUPATIONS AND MERCHANDISE, are charged 15 cents per $100 more than the building, and require a corresponding rate upon all its contents.

Card Printing (by hand power),
Drugs, dry in packages, (importer's stocks of),
Flax, in Bales,
Flocks,
Grocers' stocks (retail).
Gum Copal,
Gum shellac,
Gutta percha,
Hemp, in bales,
India Rubber,
Manilla, grass, in bales,
Men's straw hats and caps (stocks of),
Oakum, in bales,
Oil, fish and vegetable,
Oil Cloths (stocks of),
Paints ground in Oil,
Pot, Pearl and Soda Ashes,
Sail Making,
Sisal Grass, in bales,
Sulphur,
Tallow,
Whiskey, Wines and Liquors, in casks and packages (stocks of),
Wool.

EXTRA HAZARDOUS—No. 2.

The following ARTICLES OF MERCHANDISE, subject the building and its contents to an increased charge.

Agricultural Implements, including seedsmen's stocks,
Alcohol,
Apothecaries' stocks,
Asphaltum,
Brush makers' stocks,
China, earthen or glass ware, with privilege of packing or unpacking.
Car Springs (of gutta percha or India rubber),
Cotton Batts and Wadding (stocks of),
Daguerreotype and photographic stocks,
Essential Oils,
Gutta percha goods (except boots and shoes),
Gas Fixtures,
Hay and Straw, in bales,
India rubber goods (stocks of), except boots and shoes,
Liquors, in glass, unpacked,
Looking glasses, with privilege of packing or unpacking,
Matches on sale (stocks of),
Painters' stocks,
Paper boxes (stocks of),
Pawnbrokers' stocks,
Percussion Caps,
Piano-fortes in warerooms,
Pitch,
Pocket-book makers' stock,
Rags, in bales,
Resin,
Ship chandlery,
Silversmiths' stocks,
Spirits of Turpentine,
Tar,
Teas, coffee and spices (retail stocks of),
Tow, in bales,
Turpentine,
Upholsterers' stocks,
Wine, in glass, unpacked.

EXTRA HAZARDOUS—No. 3.

The following TRADES AND OCCUPATIONS, subject the building and its contents to an increased charge.

Auction Stores,
Bag making (cloth), hand power,
Bakeries, with ovens outside the building, and using coal only,
Billiard saloons and contents,
Blacksmith shops,
Block and pump making,
Bottling cellars,
Boot and shoe manufacturing, by hand power only,
Copperplate printing,
Corset making,
Daguerreotype and photographic Establishments,
Eating Houses,
Electro-plating,
Fringe making (by hand power),
Furs, cutting and sewing without fire heat,
Gas fitting,
Gilding,
Gun repairing,
Hoop Skirt manufacturing by hand, without fire heat,
Hat (straw, grass or chip bleaching),
Lager beer saloons,
Lithographers,
Map mounting and varnishing,
Picture-frame jointing,
Porter houses, bar rooms, sample rooms and retail liquor stores.
Plumbing and pewtering,
Rectifying liquors by cold process only,
Refectories,
Restaurants,
Saddlery and harness manuf'ring.
Taverns,
Tin or sheet iron, or copper working.

SPECIALLY HAZARDOUS.

The following TRADES, OCCUPATIONS AND MERCHANDISE, add to the rate of the building and its contents 50 cents and upward per $100, and to be covered must be specially written in the Policy.

Acids, nitric, sulphuric, muriatic and other corrosive acids,
Bakeries, ovens using wood or shavings,
Bookbinders,
Boot and shoe manufactories, (with fire heat),
Box repairing.
Breweries,
Brush and Bellows manufactories
Burning Fluid,
Cabinet making, and stocks of cabinet ware (with privilege to varnish, repair and upholster),
Camphene on sale,
Carving,
Coffee and spice mills,
Confectionery manufactories,
Cooper shops,
Cotton brokers' samples,
Cotton Presses,
Cotton, in bales,
Cotton, loose,
Cotton, unpacked,
Drug Stores, with privilege of compounding,
Druggists' stocks, wholesale,
Ether,
Fireworks,
Flax, unpacked,
Fur, silk, or wool hat finishing, (with use of fire heat to steam and block the bodies),
Gold pen making,
Hat and Cap manufacturing and finishing,
Hemp, unpacked,
Hoop skirt manufactories,
Houses being built, altered or repaired,
Japanning,
Jewelry manufactories,
Jewelry, case making,
Junk shops,
Lamp manufactories,
Lampsellers' stocks (with privilege of keeping camphene or kerosene),
Laundries,
Lime, unslacked (stocks of),
Livery stables,
Manilla, unpacked,
Mungo,
Musical instruments, manufactories, or stock of
Nitrate of soda,
Oiled Clothing (stocks of),
Oils, rosin and similar
Packing buildings and yards,
Paper bag manufactories,
Paper box and band-box making,
Perfumery manufactories,
Pictures and Prints,
Pocket-book making,
Printing of books and job printing,
Printed music,
Provisions in process of being smoked,
Rag stores,
Rags and paper stock,
Saltpetre,
Sisal Grass, unpacked,
Segar manufactories,
Shoddy,
Silversmiths' manufactories,
Smoke-houses,
Spirit gas making or selling,
Stave yards,
Steam boilers, in use,
Stove manufactories,
Theatres and other places of public exhibition,
Tobacco manufactories,
Tow, unpacked,
Toys (shopkeepers' stocks of),
Trunk making,
Type or stereotype foundries,
Umbrella manufactories,
Upholstery manufactories,
Window-shade painting,
Wood and Willow ware and baskets (stocks of),
Wool waste, and all mills, workshops and manufactories, and all trades and occupations not above enumerated as hazardous or extra hazardous.

For Value Received, ... *hereby transfer, assign, and set over unto* .... *and* .... *assigns,*

all .... *title and interest in this Policy, and all advantages to be derived therefrom.*

WITNESS, ... *hand, this* .... *day of* ....

Signed and Delivered in presence of

Approved,

....

Secretary.

No. 1049

THE

Merchants' Insurance COMPANY,

776 & 778 BROAD STREET,

Newark, N. J.

Mary Edison
Menlo Park
N J
Middlesex Co

Premises ....

Amount Insured, - - - $ 1000

Premium, - - - $ 5

Expires, ... 187

Register .... *Page* ....

Edition February, 1874.

The Hatch Lithographic Co., 29 & 31 Vesey St., N. Y.

The Merchants' Insurance Co.,

776 & 778 BROAD STREET, NEWARK, N. J.

CASH CAPITAL, - - - *$200,000.* *CASH ASSETS, July 1, 1873,* - *$640,000.*

DIRECTORS.

SILAS MERCHANT, - President.
GEO. B. GUERIN, - Vice-President, Master Builder.
C. G. CRANE, - Bailey, Crane & Webster.
MOSES T. BAKER, - Master Builder.
HORACE FREEMAN, - Insurance Agent.
O. L. BALDWIN, - Cashier Mechanics' National Bank.
GEO. M. DAWES, - 805 Washington Street.
HENRY POWLES, - Secretary.
L. SPENCER GOBLE, - Gen'l Agent Mutual Life Ins. Co., N. Y.
C. S. TITSWORTH, - Counsellor at Law.
D. C. DODD, Jr., - Dodd & Hedges, Jewelers.
N. F. BLANCHARD, - Blanchard Bro. & Lane, Patent Leather.
LEWIS J. LYONS, - Manufacturer of Boilers.
SAMUEL ATWATER, - Atwater & Carter, Grocers.
JOHN D. HARRISON, - Patent Leather.

THE MERCHANTS' INSURANCE COMPANY, OF NEWARK NEW JERSEY

Office 776 & 778 Broad St.

In Consideration of Five Dollars

DO INSURE Thos. Edison Against Loss or Damage by Fire

to the amount of One Thousand Dollars

On his two story frame shingle roof Barn 26 x 40 feet situate in rear of his dwelling about 20 feet northerly from Menlo Park Station Menlo Park Middlesex Co. N.J.

And the said Company hereby agrees to make good unto the said assured, his executors, administrators and assigns, all such immediate loss or damage, not exceeding in amount the sum or sums insured, as above specified, nor the interest of the assured in the property, except as herein provided, as shall happen by fire to the property so specified, from the eighth day of July one thousand eight hundred and seventy six, at twelve o'clock at noon, to the eighth day of July thousand eight hundred and seventy seven, at twelve o'clock at noon; the amount of loss or damage to be estimated according to the actual cash value of the property at the time of the loss, and to be paid sixty days after due notice and proofs of the same shall have been made by the assured and received at this office, in accordance with the terms and conditions of this Policy, unless the property be replaced, or the Company shall have given notice of their intention to rebuild or repair the damaged premises.

1. If an application, survey, plan or description of the property herein insured is referred to in this Policy, such application, survey, plan or description shall be considered a part of this contract, and a warranty by the assured; and any false representation by the assured of the condition, situation or occupancy of the property, or any omission to make known every fact material to the risk, or an over-valuation, or any misrepresentation whatever, either in a written application or otherwise; or if the assured shall have or shall hereafter make any other insurance on the property hereby insured, or any part thereof, without the consent of the Company written hereon, or if the above-mentioned premises shall be occupied or used so as to increase the risk, or become vacant or unoccupied, and so remain for more than thirty days without notice to, and consent of, this Company in writing, or the risk be increased by the erection or occupation of neighboring buildings, or by any means whatever within the control of the assured, without the assent of this Company indorsed hereon; or if it be a manufacturing establishment running in whole or in part over or extra time, or running at night, or if it shall cease to be operated, without special agreement indorsed on this Policy; or if the property be sold or transferred, or any change take place in title or possession, whether by legal process, or judicial decree, or voluntary transfer, or conveyance; or if this Policy shall be assigned before a loss, without the consent of the Company indorsed hereon; or if the interest of the assured in the property, whether as owner, trustee, consignee, factor, agent, mortgagee, lessee, or otherwise, be not truly stated in this Policy; or if the assured shall keep gunpowder, fireworks, nitro-glycerine, phosphorus, saltpetre, nitrate of soda, petroleum, naptha, gasoline, benzine, benzole or benzine-varnish, or keep, or use camphene, spirit gas, or any burning fluid, or chemical oils, without written permission in this Policy, then, and in every such case, this Policy shall be void.

2. This insurance does not apply to or cover jewelry, plate, watches, musical or scientific instruments (piano-fortes and melodeons in dwellings excepted), ornaments, medals, patterns, printed music, printed books, engravings, paintings, picture frames, sculpture, casts, models, or curiosities, unless particularly specified in this Policy. This Company shall not be liable by virtue of this Policy, or any renewal thereof, until the premium therefor be actually paid; nor for loss by theft at, or after a fire; nor for money or bullion, bills, notes, accounts, deeds, evidences of debt, or securities of property of any kind; nor for any loss or damage by fire caused by means of an invasion, insurrection, riot, civil commotion, or military or usurped power; nor for any loss in buildings unprovided with good and substantial stone or brick chimneys, the absence of which has been the cause of the fire; nor in consequence of any neglect or deviation from the laws or regulations of police, where such exist; nor for any loss caused by the explosion of gunpowder, or any explosive substance; nor by lightning, or explosion of any kind unless fire ensues, and then for the loss or damage by fire only, which loss shall be determined by the value of the damaged property after the casualty by explosion or lightning. When property insured by this Company is damaged by removal from a building in which it is exposed to loss by fire, said damage shall be borne by the insured and the insurers, in such proportion as the whole sum insured bears to the whole value of the property insured, of which proof in due form shall be made by the claimant.

3. If a building shall fall, except as the result of a fire, all insurance by this Company on it or its contents shall immediately cease and determine.

4. If the interest of the assured in the property be any other than the entire, unconditional, and sole ownership of the property, for the use and benefit of the assured, or if the building insured stands on leased ground, it must be so represented to the Company, and so expressed in the written part of this Policy, otherwise the Policy shall be void. When property has been sold and delivered, or otherwise disposed of, so that all interest or liability on the part of the assured herein named has ceased, this insurance on such property shall immediately terminate. Goods held on storage must be separately and specifically insured.

5. If during this insurance, the above-named premises shall be used for any trade, business, or vocation, or for storing, using, or vending therein any of the articles, goods, or merchandise denominated hazardous, or extra hazardous, or specially hazardous in the second class of hazards printed on the back of this Policy; or if the occupation of such premises be changed from one of the classes denominated hazardous or specially hazardous to that of another of the same class, except as herein specially agreed to in writing upon this Policy, then and from thenceforth, so long as the same shall be so appropriated, applied, or used, this Policy shall cease, and be of no force or effect.

6. The best endeavors of the assured shall be used in saving and protecting the property from damage at and after a fire; and in case of failure so to do, this Company will not be liable for damage caused by such failure; and there can be no abandonment to the Company of the property insured.

The use of general terms, or anything else than a distinct, specific agreement, clearly expressed and indorsed on this Policy, shall not be construed as a waiver of any printed or written condition or restriction therein.

7. In case of any other insurance upon the property herein insured, whether made prior or subsequent to the date of this Policy, the assured shall be entitled to recover of this Company no greater proportion of the loss sustained than the sum hereby insured bears to the whole amount insured thereon; and it is hereby declared and agreed that in case of the assured holding any other Policy in this or any other Company on the property insured, subject to the conditions of average, this Policy shall be subject to average in like manner.

Re-insurance, in case of loss, to be settled in proportion as the sum re-insured shall bear to the whole sum covered by the re-insured Company.

8. This insurance may be terminated at any time at the request of the assured, in which case the Company shall retain only the customary short rates for the time the Policy has been in force. The insurance may also be terminated at any time at the option of the Company on giving notice to that effect, and refunding a ratable proportion of the premium for the unexpired term of the Policy.

9. Persons sustaining loss or damage by fire shall forthwith give notice of said loss to the Company, and, as soon thereafter as possible, render a particular account of such loss, signed and sworn to by them, stating whether any and what other insurance has been made on the same property, giving copies of the written portion of all Policies thereon, also the actual cash value of the property and their interest therein, for what purpose and by whom the building insured, or containing the property insured, and the several parts thereof, were used at the time of the loss, when and how the fire originated, and shall also produce a certificate, under the hand and seal of a magistrate or a notary public (nearest to the place of the fire, not concerned in the loss as a creditor or otherwise, nor related to the assured), stating that he has examined the circumstances attending the loss, knows the character and circumstances of the assured, and verily believes that the assured has, without fraud, sustained loss on the property insured to the amount which such magistrate or notary public shall certify. The assured shall, if required, submit to an examination or examinations under oath by any person appointed by the Company, and subscribe to such examinations when reduced to writing, and shall also produce their books of account and other vouchers, and exhibit the same for examination at the Office of the Company, and permit extracts and copies thereof to be made; the assured shall also produce certified copies of all bills and invoices, the originals of which have been lost, and shall exhibit all that remains of the property which was covered by this Policy, damaged or not damaged, for examination to any person or persons named by the Company.

When personal property is damaged, the assured shall forthwith cause it to be put in order, assorting and arranging the various articles according to their kinds, separating the damaged from the undamaged, and shall cause an inventory to be made, and furnished to the Company, of the whole, naming the quantity, quality, and cost of each article. The amount of sound value and of damage shall then be ascertained by appraisal of each article by competent persons (not interested in the loss as creditors or otherwise, nor related to the assured or sufferers), to be mutually appointed by the assured and the Company; their report, in writing, to be made under oath before any magistrate or other properly commissioned person; one half of the appraisers' fees to be paid by the assured. The Company reserves the right to take the whole or any part of the articles at their appraised value; and until such proofs, declarations, and certificates are produced, and examinations and appraisals permitted by the claimant, the loss shall not be payable.

In case of loss on property held in trust, or on commission, or if the interest of the assured be other than the entire and sole-ownership, the names of the respective owners shall be set forth, together with their respective interests therein. If this Policy is made payable, in case of loss, to a third party, or held as collateral security, the proofs of loss shall be made by the party originally insured, unless there has been an actual sale of the property insured. All fraud or attempt at fraud, by false swearing or otherwise, shall cause a forfeiture of all claim on this Company under this Policy.

But provided, in case differences shall arise touching any loss or damage, after proof thereof has been received in due form, the matter shall, at the written request of either party, be submitted to two or three impartial arbitrators, mutually chosen, and the award in writing of any two such arbitrators shall be binding on the parties as to the amount of such loss or damage, but shall not decide the liability of the Company under this Policy; and provided, further, that it shall be optional with the Company to repair, rebuild, or replace the property lost or damaged with other of like kind and quality within a reasonable time, giving notice of their intention so to do within thirty days after receipt of the proofs herein required; and in case this Company elect to rebuild, the assured shall, if required, furnish plans and specifications of the buildings destroyed.

The cash value of property destroyed or damaged by fire shall in no case exceed what would be the cost to the assured, at the time of the fire, of replacing the same; and in case of the depreciation of such property, from use or otherwise, a suitable deduction from the cash cost of replacing shall be made, to ascertain the actual cash value.

10. This insurance, the risk not being changed, may be continued for such further time as shall be agreed on, provided the premium therefor is paid and indorsed on this Policy, or a receipt given for the same, and it shall be considered as continued under the original representation, and for the original amounts and divisions, unless otherwise specified in writing; but in case there shall have been any change in the risk, either within itself or by neighboring buildings, not made known to the Company by the assured at the time of renewal, this Policy and renewal shall be void.

11. It is a part of this contract, that any person, other than the assured, who may have procured this insurance to be taken by this Company, shall be deemed to be the agent of the assured named in this Policy, and not of this Company under any circumstances whatever, or in any transaction relating to the insurance.

12. It is furthermore hereby expressly provided and mutually agreed, that no suit or action against this Company, for the recovery of any claim by virtue of this Policy, shall be sustainable in any Court of Law or Chancery, until after an award shall have been obtained, fixing the amount of such claim in the manner above provided, nor unless such suit or action shall be commenced within twelve months next after the loss shall occur; and should any suit or action be commenced against this Company after the expiration of the aforesaid twelve months, the lapse of time shall be taken and deemed as conclusive evidence against the validity of such claim, any statute of limitation to the contrary notwithstanding.

☞ GAS.—The generating or evaporating, within the building, or contiguous thereto, of any substance for burning gas, or the use of gasoline, for lighting, is prohibited under this Policy, unless permitted in writing hereon.

☞ Fences and other Yard Fixtures, also Store Furniture and Fixtures, Plate Glass in doors and windows of the dimensions of nine square feet and upwards, goods in windows for exhibition, frescoing or other decoration on wall or ceiling, are not insured under this Policy, unless separately and specifically mentioned.

☞ BUILDERS' RISK.—The working of carpenters, roofers, tin-smiths, gas-fitters, plumbers or other mechanics, in building, altering, or repairing the premises named in this Policy will vitiate the same, unless permission for such work be indorsed in writing hereon, except in dwelling-houses only, where five days are allowed in any one year for incidental repairs, without notice or indorsement.

☞ AND IT IS HEREBY UNDERSTOOD AND AGREED, by and between this Company and the assured, that this Policy is made and accepted in reference to the foregoing terms and conditions, and to the classes of hazards and memoranda printed on the back of this Policy, which are hereby declared to be a part of this contract, and are to be used and resorted to in order to determine the rights and obligations of the parties hereto, in all cases not herein otherwise specially provided for in writing.

In Witness Whereof, THE MERCHANTS' INSURANCE COMPANY have caused these PRESENTS to be signed by their PRESIDENT or VICE-PRESIDENT, and attested by their SECRETARY, in the City of Newark, in the County of Essex, this eighth day of July in the year of our Lord, one thousand eight hundred and seventy-six

ATTESTED,

Henry Powles, Secretary.

Silas Merchant, President.

Assets over Seventy-five Millions.

The Mutual Life Insurance Co., of New York.

F. S. WINSTON, President.

W. W. BYINGTON, Gen'l Agent.

No. 749 Broad Street.

Newark, N. J., April 4th 1876

Friend Edison

I have had your property surveyed by Mr Nichols of the Merchants Loan & Trust Co of Newark. The rate wanted on Laboratory is 1 1/4 %, and the same on Machine Shop. But I will guarantee to place it in Newark or Foreign Companies at one per cent (1%) Please let me know how much Insurance you want Etc —

Yours Truly

C. Leyninger

Received at Menlo Park, N.J. April 14/76 of Thos. A. Edison
Seventy five 35/100 Dollars in payment in full for $8000.
Insurance in the Citizens, Germania & Humboldt Cos.
of Newark N.J.

Aug. Haag.

Assets over Eighty Millions.

The Mutual Life Insurance Co., of New York.

F. S. WINSTON, President.

W. W. BYINGTON, Gen'l Agent.

No. 749 Broad Street.

N. J.

Newark, N. J., Dec 2 1876

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1876. Electric Pen - Edison's Electrical Pen & Duplicating Press Co. (D-76-007)

Correspondence, agreement, accounts, bills, receipts, inventory, circulars.

Not selected: one electric pen sample which could not be reproduced.

CHAS. BATCHELOR 10 & 12 WARD ST.

NEWARK, N. J., 187

Thos A Edison

Edison's Electrical Pen + Duplicating Press Co.

Statement.

Jan 14 1876 41 Dey St New York

Assets			Liabilities		
Saleable Stock	56	35	Rent of Office		
Office Furniture	59	75	2½ months at 400.	83	32
Cash in hand	30	54	Gilliland & Co	30	20
Outstanding Bills	255	87	Thos A Edison	391	89
	$402	51		$505	41

Chas Batchelor
Genl Manager

District No. 7 | New York, February 1 1876.
12 Vesey Street.

M The Electric Pen Agency.

To THE DOMESTIC TELEGRAPH CO., Dr.

General Office, 12 Vesey St.

To Messenger or Police service, from May 1 to date		70
To rent of Signal Instrument, from " " to "		50
		$1 20
5 Vouchers Rec'd.		

Received Pay for The Domestic Telegraph Company,

By

N. B.—If found correct, please call a Messenger and pay this bill, no charge being made for such service.

District No. 7 | New York, April 1 1876.
12 Vesey Street.

M The Electric Pen Agency.

To THE DOMESTIC TELEGRAPH CO., Dr.

General Office, 12 Vesey St.

To Messenger or Police service, from Mar. 1 to date		70
To rent of Signal Instrument, from " to "		1
To up rendered		2 50
1 Vouchers Rec'd.		$4 20

Received Pay for The Domestic Telegraph Company,

By

N. B.—If found correct, please call a Messenger and pay this bill, no charge being made for such service.

Statement of Good on hand at Wm Chicago Square
April 1st 1876

73 Bottles of Ink
3 Batteries Complete
4 Pr Shears
16½ do Knives
6 " Carbon Point
40 Pens beds
2 Ink Brush
26 " Rollers
5 Glass Jars
18 Porous Cups
2 Wire Cords Rd 6 old ones to go for repairs
2 Bot Oil
1 Bottle Rd Smith Brew for agents use
1 Pot & Pen Complete for office use 27 Chicago Square
23 Presses Complete in Brass without Pens
2 Bot Complete With Pens
22 Small Files
5 Screw drivers
12 Bot Electrophorus
10 Empty Bottles
1 Marking Pot
1 Stencil Brush
1 Screw Driver & Scraper

Machinists' Tools and Machinery of every description.
The Celebrated Patent Cold Rolled Shafting
Adjustable Coupling Pulleys
Self Oiling Hangers
Leather & Rubber Belting &c

ESTABLISHED 1855.

Office of George Place,

Successor to George Place & Co.

121 Chambers & 103 Reade Streets.

P. O. BOX 4499.

New York April 26 1876

Mr Thos A Edison
Menlo Park N.J.

Dear Sir I think I can sell one of your Electric Pens if you will allow me some larger trade discount & if I had only known that I could have sold one on Monday, I think I might have induced you to throw me in on the trade one made, as it is your having made such an excellent trade for yourself should induce you to make me a large discount in case I sell one, let me hear from you & oblige.

Yours truly George Place
Pres

GLOBE
Stationery & Printing Company.
80 WEEHAWKEN ST.

F. D. Mirrill Treas.
F. G. Hampson Secy.
J. Mirrill Pres.
S. F. Hoyt Treas.
P.O. Box 2831.

New York 5/28 1876.

Thos. A. Edison Esq.
Dear Sir.

Yours of the 28th inst is rec'd. and I will answer, by saying that we will furnish you with 20 cabin. 24 Kgs. for (218).

Truly Yours
J. H. Morgan Supy

Received from Thos. A. Edison
One hundred & twenty dollars
on account
Globe & D. M. Co
Geo. W. Wheeler Treas.

May 16 1876

$120

District No. 1 New York, May 1st 1876.

Mr. Hamm Street
M Electric Pen Agency.

To THE DOMESTIC TELEGRAPH CO., Dr.
General Office, 12 Vesey St.

To Messenger or Police service, from ..... to	
To rent of Signal Instrument, from Apr 1 to date	1
" of " as per Cont. " " "	4 20
..... Vouchers Ret'd.	5 20
Received Pay for The Domestic Telegraph Company,	
By	

N. B.—If found correct, please call a Messenger and pay this bill, no charge being made for such service.

The DOMESTIC TELEGRAPH COMPANY | EXECUTIVE OFFICES, District Offices, 6 Barclay & 28 Fulton Sts. | 18 Vesey Street.

Batchelor 10 19 1876
Room St. 41 Dey St Floor.

No. Messenger	Signal.	Called.	Returned.	Occupied.	Charge.
9	1445	1130	1145	15	10

PAY NO CAR FARE OR MONEY TO MESSENGER.

Where Sent 145 Broadway
Very answer Lin 2 cm
Received by CHA for Ann Time 1150 AM
PLEASE SIGN YOUR NAME.
Received Fire Box No. Location Mr Batchelor

The DOMESTIC TELEGRAPH COMPANY | EXECUTIVE OFFICES, District Offices, 6 Barclay & 28 Fulton Sts. | 18 Vesey Street.

Batchelor Jan 31 1876
Room St. 41 Dey St Floor.

No. Messenger	Signal.	Called.	Returned.	Occupied.	Charge.
10	1445	1245	112	27	75

PAY NO CAR FARE OR MONEY TO MESSENGER.

Where Sent 511 Wed
Received by Schiff Time
PLEASE SIGN YOUR NAME.
Received Fire Box No. Location

The DOMESTIC TELEGRAPH COMPANY | EXECUTIVE OFFICES, District Offices, 6 Barclay & 28 Fulton Sts. | 18 Vesey Street.

The Electric Tel Co Feb 18 1876
Room St. 41 Dey St Floor.

No. Messenger	Signal.	Called.	Returned.	Occupied.	Charge.
9	1445	1307	1330	40	20

PAY NO CAR FARE OR MONEY TO MESSENGER.

Where Sent Chatham St & back
order & ans
Received by Chas Batchelor Time (over)
PLEASE SIGN YOUR NAME.
Received Fire Box No. Location

The DOMESTIC TELEGRAPH COMPANY | EXECUTIVE OFFICES, District Offices, 6 Barclay & 28 Fulton Sts. | 18 Vesey Street.

Batchelor Jan 31 1876
Room St. 41 Dey St Floor.

No. Messenger	Signal.	Called.	Returned.	Occupied.	Charge.
7	1445	215	246	35	15

PAY NO CAR FARE OR MONEY TO MESSENGER.

Where Sent Al Lally & answer
Received by Time
PLEASE SIGN YOUR NAME.
Received Fire Box No. Location Chas Batchelor

The DOMESTIC TELEGRAPH COMPANY | EXECUTIVE OFFICES, District Offices, 6 Barclay & 28 Fulton Sts. | 18 Vesey Street.

The Electric Tel Co Feb 18 1876
Room St. 41 Dey St Floor.

No. Messenger	Signal.	Called.	Returned.	Occupied.	Charge.
9	1445	430	435	5	10

PAY NO CAR FARE OR MONEY TO MESSENGER.

Where Sent Signal Lot dec mis
Inv by
Received by Schuyler Batchelor 0.55
PLEASE SIGN YOUR NAME.
Received Fire Box No. Location

Metuchen, N. J. Aug 1st 1876

Mr Thos A Edison
for press Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

121 ft Pine Bds	3	3	63
31 ft " "	4	1	24
20 Match "	35	7	00
1 Pt Sp			25
		$12	19

Metuchen, N. J. Aug 23 1876

M Edison's Penny press Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

84 ft Pine Bds	4	3	36
7 Match "	35	2	45
		$5	81

OK Fr.

Metuchen, N. J. Aug 25th 1876

Mr. Thos A Edison
for press Manf Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

309 ft pine Bds	8	1	10	82
10 - 5/8 " "	28		2	80
8 Match "	35		2	80
			$ 16	42

OK.
K.

Metuchen, N. J. Sept 7th 1876

Mr. Thos A Edison
for Edison's Pen & Duplicating Press Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

To 36 pine Bds 6 in 16 ft = 288 ft	3½	$ 10	08

Recd payment

OK.
K.

Metuchen, N. J. Sep 21st 1876

Mr Thos A Edison
for Edisons Pen & Press Co

To MANNING FREEMAN, Dr.

DEALER IN

Coal and Lumber.

1 Bbl Cement	$ 1	75

OK
K.

New York, Dec 1st 1876

Mr Thos A. Edison To Edison Pen Co 41 Dey St.

BRASS, COMPOSITION, AND **Gong Bell Castings** of every description.

All orders thankfully received and punctually attended to.

To JAMES GALLAGHER, Dr.

BRASS FOUNDRY.

No. 87 CENTRE STREET.

Nov 14	To Bell Cast	@ 45¢	35	08	$15	98

STATEMENT.

P. O. Box 3207.

New York, Dec 23 1876

Mr T. A. Edison

Manufactory: MENLO PARK, N. J.

Dr. To Cash & Elliott's Cat 452.64
Dec 22 " Cash from Barthes 250
7432.64

Cr By
Feb 11 Mdse (Bichiron) 11.60
Oct 26 Cash & C.E.P.P.P.Co 501.09 512.09
220.55
Dec 27 Cash 107.00
327.55

Cr By
Dividend Dec 27 327.60

Dec 24th 1876

Up to this date we have sold (205) two hundred & five presses complete (44) quite some extras amounting to altogether £3850 2s for which we paid £2714 8s 6d leaving a balance of

~~Net~~ profit gain $1162.30
Cash advanced etc 420.70
1583 00 to account for

Expenses	$216.44
Brecons Jr. (due)	857.79
Cash in hand	204.05
Paper on stock	3.44
Fogg & Co	16.00
E T Gilliland	48.40
Effingham	9.00
J A Edison	220.55
	1583.00

$1583.00

I have taken $450 — & divided it as follows

Edison	$327.60	$450.00
Batchelor	110.20	
Adams	12.15	

52 Broadway 12/30/76

My Dear Alva —

Saw Batch today — thot. you would be in — told him about success at Direct Cable how it was obtained &c — but he thot. you would like to have it direct from me — our paper —

I did sit about it in the am & worked till 3 pm before we got it satisfactory —

Then did it by means of cloth stained from the Erie Ry of the occupants of which I astonished by an exhibition of the working of the dark —

We took 4 sheets of cloth down to Cable obs — Then Eng thos. the wringer — Had men make very light copies Put em thro the wringer

Dried em — and took em up stairs to Letter Press — There put em thro the following treatment with immense success —

Placed on Counter
1st an Oil Board
2nd a cloth
3rd a sheet of tissue
4th the Dry Copy —
5th an Oil Board
~~6th a sheet of tissue~~
6th a cloth
7th Tissue
8th Dry Copy
9th Oil Board

& so on till we had 4 complete sandwiches of this character — put em in Press give em one min. & took em out before an appreciative & applauding audience — Ward being

the Enthusiasts —
Did the same thing over
again 4 times with the
same copies & getting the
same results — Whoop-la —
being the time of the meeting
Explained & Ward Low D
by going down to our P.
& buying a foot 2d hand press
long enough to take 2 chases
on a page —
getting 4 long foot pieces
of Card Board —
50 Cloths same long to
50 Oil Boards " "
a small wash tub — with
Cheap wringer attached
the Cowlet make —
25 Sandwiches (50 messages)
Put em in Press — then
proceed to make another
25 — by which time Mag-
-nificent Copies would be

4

found in Press — & not a
seconds time look in
Waiting on em —
Even Buckner stumbled to
this — the whole party saw
the point — Ward ordered
the 1/2 Doz I gave him put
to Rye Beach by that night
Express — & is waiting for
me to Deliver him gone
in half pint Bottles — Give
him the price for the same
& pay me the money —
Took out em 1/2 pints
& your price for same

One Once on Tuesday to
Attend a meeting —
Hurry up the Messenger
Butterfin wants put out
Canvassers on em at
once Say more in it than
in the Ink.
Happy New year

E. K. Allen

(November 1876)

This agreement entered into this day of 1876 by and between Mr. A. Edison of Menlo Park County of Middlesex State of New Jersey and Robert Gilliland of Hudson County, State of Michigan parties of the first part and the Western Electric Manufacturing Company (a corporation organized under the laws of the State of Illinois) of Chicago County State of Illinois party of the second part witnesseth: that whereas the parties of the first part are the sole owners of all the right, title, and interest of and in a certain patent in the United States granted and numbered and also a certain patent in Canada granted and numbered for an Electric pen and duplicating press and accessories, and whereas the said parties of the first part are in possession of a certain lot of special tools for the manufacture of the machines under said patents (a schedule of which is hereto attached) and have established certain agencies for the sale of such patented articles in the

United States and Canada, and whereas the said party of the second part is desirous of acquiring the business of the said parties of the first part and the sole right to manufacture and sell said machines of said patents within said countries for a period of (5) five years or more and are also desirous of acquiring the special tools to enable them to economically and expeditiously manufacture the said machines, therefore be it agreed, that for and in consideration of the sum of one dollar, the receipt of which is hereby acknowledged and for other valuable considerations hereinafter mentioned, the said parties of the first part do hereby transfer the business above mentioned and the sole right to manufacture and sell within the United States and Canada the articles covered by said patents, and also transfer and sell the said special tools upon the following conditions; namely:- that the said party of

the second part shall pay to the parties of the of the first part five dollars royalty on each and every complete machine sold or in progress for the parts thereof ~~in such countries~~ and fifteen per cent on the selling price of all supplies in such countries for a period of five years from date hereof, and fifteen hundred dollars for the said special tools in five equal annual payments of three hundred dollars each, the said party of the second part guaranteeing and binding itself to the said parties of the first part for five years from date hereof that the royalty shall not be less than two hundred and fifty dollars in each and every month. It is further agreed that if six months before the expiration of the said five years the said party of the second part shall notify the said parties of the first part that they desire to continue this contract, they may do so providing they give six months previous notice in each and every year thereafter

It is further agreed that in case the actual sales should reach fifteen hundred machines per year that the said payment of five dollars royalty shall be reduced to four dollars in every year in which that number is sold and if the sales should reach two thousand five hundred machines in any one year the royalty in that year shall be still further reduced to three dollars on each machine

It is further agreed that the said royalties shall be paid monthly to the said Edison and Gillland in the proportion of seven tenths to Edison and three tenths to Gillland. Should the party of the second part desire to discontinue the manufacture of said patented article at the expiration of five years from date they may do so upon giving six months previous notice of such desire and if they desire to return the said special tools to the parties of the first part they may do so providing they are in as

good order as when they received them and they shall receive back the same amount of money as they paid for them, but should they continue the sale and manufacture until the expiration of patent then the said parties ~~are~~ not of the first part shall not be obliged to take them back

and finally the said Edison and Gilliland agrees to protect the said patent as far as lay in their power by patenting all Edisons improvements upon the said patents

(illegible)

Robert Gilliland	127.20
I A E.	56.57
Baldt.	72.75
Freeman	144.39
	400.91

Mr E

Pay the 500 Dollars to ~~[illegible]~~ Robert Baldwin Manager as he has 99.09 of a few bills to settle on the company A/c

1) 99.09

10000 mills 400 — 9600. recd

Edison. & Lab —	7.28
Batch.	2.45
Adam	27.

Deduct.

English provisional	81.90
Complete.	214.70
French patent	130
Belgium "	105
Special premium	32
	563.60
	9600.00
	9036.40

T. A. Edison.	6598.20	7.28
Chas Batchelor	2213.82	2.45
Adam	243.94	.27
	9035.99	

EDISON'S

ELECTRICAL PEN

AND

DUPLICATING PRESS.

—o—

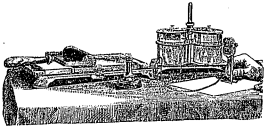
CHAS. BATCHELOR,

GENERAL MANAGER,

NEW YORK.

—o—

NEW YORK.
Z. R. BENNETT, Printer, 66 Cortlandt
1872.



The Electrical Pen

—AND—

DUPLICATING PRESS

Is a combination of apparatus which produces the same results as those produced by Lithography, but without the complicated, cumbersome and expensive methods of the latter. It requires no skilled expert to produce perfect work, and supplies a want in commerce, etc., long felt, and which many inventors have tried but failed to meet until now. It was not until Thos. A. Edison, the electrician, inventor of the Quadruplex Apparatus, and discoverer of Etheric Force, etc., undertook the problem and applied electricity which in his hands has been made to perform such wonders, that success was obtained.

The Electrical Pen (see engraving) consists of a small electro-magnetic engine, mounted upon a framework, secured to the top of a tube pointed at the end. Within the tube is a common needle, fastened to the end of a wire, which is given an exceedingly rapid vertical motion by cams upon the rotating engine shaft. This needle is projected from the small end of the tube at the rate of 50 times per second. If the pen be held in the manner shown in the engraving, upon a sheet of common writing paper placed on some soft substance, a letter may be written as fast and after a day's experience, as easily as with an ordinary pen, but the characters, unlike the

ink formed by the ordinary pen, will be composed of innumerable holes punctured in the paper by the rapid projection of the needle from the tube. The result is a perfect paper stencil, which, treated precisely as an ordinary stencil, will give similar results. The motive power used to drive the engine of the pen is derived from a voltaic battery (shown in the engraving). This battery consists of two Bunsen cells, the principle of which was discovered by the celebrated chemist Bunsen, and for power and convenience has never been excelled. A particular form of this battery was especially designed by Mr. Edison for the electrical pen, with a view to economy and its use by persons inexperienced in electricity. It is provided with a lifting arrangement whereby the battery plates may be raised from the exciting fluids when not in use, thus preventing consumption of materials.

The current from the battery is conveyed to the engine by two wires insulated from each other, and placed in a single flexible cord, thus giving a free movement to the pen.

A neat stand for holding the pen when not in use accompanies the apparatus. After the stencil has been prepared, it is a very simple matter to obtain a great number of perfect fac-similes of the original writing, resembling lithography in every particular.

The press shown upon the left consists of a metal base, with a perfectly smooth top, upon which the sheet to be printed upon is laid. A frame opening upon hinges and having four clamping springs for securing the stencil in position, is brought down

upon the bed of the press and secured by a clamping nut. An inking roller formed of cloth, upon which is put ordinary printer's ink thinned with an oil and well distributed over its surface, by passing it over the bed of the distributing box, is passed back and forward over the stencil plate five or six times with the first impression, less with succeeding ones; the holes of the stencil become filled with ink, and deposit it upon the paper underneath through each hole. The result is a perfect fac-simile of the original writing without the possibility of an error, and presenting an appearance far superior to writing done with an ordinary pen. The printed sheet is then replaced by a blank one, and the same process gone through again, and so on until enough copies are obtained, or until the original paper is completely worn out, which will not be until from six to eight hundred have been taken. If larger numbers are required several stencils may be prepared.

The simplicity of the whole apparatus, and the results obtained by it, entitle it to a place amongst the really useful inventions of the age. Lithography cannot compete with it in the ease, rapidity, and cheapness with which a number of copies of a letter, circular, etc., may be prepared for the purposes of ordinary commercial business. Those who have occasion to use lithography know that at least one day, and in most cases three days, are required to obtain their work from the printers, and that a certain publicity is thereby given to their business.

With this system two hundred copies of an

ordinary circular, price list, etc., can be written, printed and mailed within one hour. As almost anything that can be done with an ordinary pen may be done by the use of this apparatus, it follows that the press is adapted to the uses of nearly all trades.

CIRCULARS.

It is acknowledged among business men that an autographic trade circular attracts more attention, and is far more effective than one printed with type. The former, as obtained by this process, is more economical and by reason of the ease and cheapness of preparing the original stencil, a great diversity of form and matter may be had. In fact a new circular may be issued every day or hour, and a change of phraseology effected at any moment without expense. For instance, a person has a valuable article which he is desirous of introducing to the public through the medium of circulars, and has a large number printed in the ordinary manner (he must take a large number to obtain them cheap) and finds after a few days that he has left some important matter out, or that a change in wording will convey his meaning better, and add to the effectiveness of the circular; he desires to change it; to do so he is obliged to throw aside his expensively produced matter, and duplicate it in an equally tedious and expensive manner, whereas by the use of the duplicating press, he can print his circulars as he wants them, and if any change in the wording or form is desired it can be done in a few moments without expense. For daily

PRICE LISTS
AND
MARKET QUOTATIONS

It is invaluable, as it allows the circular to be kept open until after business hours, and a few moments before the closing of the mail. For

CIRCULAR LETTERS,

It has the advantage that it can be prepared by the principal of the house, thus endowing it with an air of authority and avoiding the publicity of the printing office as previously mentioned.

PAMPHLETS,

Where the matter is not too great, are quickly and cheaply produced by this process. While for AUCTION, BOOK AND TRADE SALE

CATALOGUES,

the printers cannot compete with it.

PRINTERS

Cannot dispense with it, and no office is complete without it. Complicated ruling and blank forms obtained in country printing offices by metallic column rules can be dispensed with. A stencil sheet, formed of lines, columns, etc., can be made in a few moments by a straight edge and the electrical pen, when from several hundred duplicates can be taken, and the lined matter afterward printed on in the job press. It also gives each job office facilities for producing lithograph work without the expense which the latter entails. By it

LAWYERS' BRIEFS, CONTRACTS AND LEGAL DOCUMENTS

of every description can be expeditiously and economically produced. It is already largely used by lawyers for that purpose. No mistakes can possibly occur, as frequently happens when the reduplication is done by copyist. It is the only practical method of preventing error in the duplication of

MANIFESTS,

which has any degree of practicability The New York Central R. R. have adopted it for this purpose with great satisfaction. The large presses generally required for such work, owing to the large size of the forms used, are made to special order.

LABELS, LETTER AND BILLHEADS, ENVELOPES,

and innumerable varieties of small printing may be done according to the expertness of the writer, thereby effecting a great saving in printing bills.

MAPS

of various kinds where outlines are only necessary, such as real estate maps for showing situation of lots, etc., of almost any size, are easily produced in any number.

ARCHITECTURAL AND MECHANICAL DRAWINGS

are produced with facility, and tracing from drawings, sketches, designs, etc., previously prepared in ink, are made by merely passing the electrical pen over the ink marks.

While it is not claimed that the fine shading of lithographic engraving can be produced with the pen in the hands of an inexpert, it is claimed that for all practical purposes it will produce sketches and pictures by outlines, which is all that will generally be found necessary. Elegant

BILLS OF FARE

may be produced by an expert penman and the use of different colored inks, and by rapid writing with the pen are made to present an unique appearance. By its aid the composer and arranger of music is enabled to duplicate

MUSIC

of the most complicated character, now so largely done by hand, owing to the cost of reproduction by other processes.

INSURANCE FIRMS

having the agency for a number of companies frequently require a dozen copies of the same policy made out on the forms of the different companies. This may be done by a special press designed for the purpose, neatly and expeditiously, resulting in the saving of the salary of a clerk to many firms.

For insurance reports, notices to sub-agents from general agents, and the small private printing of the company generally, it is invaluable. For

CYPHER BOOKS,

PRESS REPORTS,

FINANCIAL EXHIBITS,

and every conceivable variety of printing, it is obviously adapted, and the experience of each day brings to light some special work among the trades for which it is adapted and which were not previously thought of. For instance, it has been found that it may be made to replace the expensive and cumbrous marking machinery used for marking embroidery work upon cloth, and for the duplication of dress patterns, etc., a larger pen and press than the popular size being used for the purpose. For the

EDUCATION

AND

AMUSEMENT

of the youth it is without a parallel, in view of the variety of work a boy can perform upon it, and the small cost of the apparatus. School children can copy tracings, make maps, take copies of their drawings, essays, etc. The printing machine is limited to the type fonts, this machine only to the skill and imagination of the boy. Endless amusement may be derived from it. Such boys or girls who may be apt at sketching, or at poetical or prose composition, can easily and quickly obtain

numerous copies of their production for distribution among their fellows and friends. Like the Gun, Sewing Machine, etc., the parts of this apparatus are made by the modern methods, and the parts being

INTERCHANGEABLE

can be supplied upon application, thus rendering it unnecessary to send the whole of any of the specific machines composing the outfit long distances to be repaired.

DIRECTIONS.

Accompanying each press, is a book of instructions, in which a more complete description of the apparatus and the best methods of printing is fully set forth, with instructions for making the battery fluid, renewing the battery, and what to do in case of accident.

PRICE.

The price of the press apparatus complete (foolscap size) $30. Sent to any part of United States and Canada, C. O. D. by express or on receipt of money order. Presses of any dimension, for special work, made to order.

INFORMATION

as to prices, size of presses, or any other thing relating to them, may be obtained at the office of

EDISON'S ELECTRICAL PEN AND DUPLICATING PRESS CO.

CHAS. BATCHELOR, Gen'l Manager,
P. O. Box 3207. 41 Dey Street, N. Y.

Address all communications to

CHAS. BATCHELOR,
P. O. Box 3207, New York.

WHAT THE PRESS SAY.

(From the Daily Advertiser, Newark, N. J.)

THE LATEST NEWARK INVENTION.

The latest freak of Newark inventive genius is no less interesting than useful. It is known by the title of the "Autographic Press," and consists of an electric pen, battery and roller press, the functions of the engines combination being to facilitate the duplication, triplication, and if necessary the multiplication of letters, trade and commercial documents and plications. The electrical pen is the most ingenious part of the instrument. Imagine a short tube of brass tapering to a point and surmounted by an electric engine somewhat bigger than a spool of thread. Through the tube runs a long needle, the point of which when extended for action protrudes about the fifteth part of an inch beyond the tapering extremity of the brass tube or pen holder. The little engine atop of the holder consists of a double magnet, which alternately attracts and repels the poles of a small eccentric wheel, producing a rapid revolution and causing the point of the needle, the upper end of which is attached to the eccentric, to protrude from and retire into the end of the holder with great rapidity. Attached to the engine by a wire thread is the battery by which the electrical engine is propelled. The whole apparatus looks very much like an ordinary yellow pen holder with its hat on and a string around its neck.

The modus operandi is to place the point of the pen upon an ordinary sheet of paper, adjust the battery, and write whatever you wish, the electric pen being as easily handled as any other. The characters, however, will not be traced in black, but by dotted lines, the rapid motion of the needle penetrating the paper as the point of this pen is moved to and fro. It is very much like holding what the "Duxbury News man" calls the "business end" of a wasp on a sheet of paper and letting the insect sting small holes into the sheet while you move him back and forward. The punctured sheet is then used as a stencil for the manufacture of an indefinite number of copies. A blank sheet is laid beneath it, and a roller saturated with ink

is passed over the surface, the fluid passing through the punctured lines and making a clear and exact impression on the blank paper. By this simple process several hundred impressions per hour can be obtained, each copy being in the exact handwriting of the manipulator.

The means to which this invention can be put are multifarious. It is valuable to the capitol, to offices, or towns where multiplication of documents is desired, to writers of circular letters, and in fact in every case where rapid reproduction of copy is wanted, yet not in sufficient quantity to necessitate the use of the printing press. It can also be utilized to make FAC SIMILES of wood cuts, photographs or other pictures. The inventor of this curious little instrument is Mr. T. A. Edison, well-known as the inventor of the Quadruplex Telegraph, by which four messages can be sent over one wire simultaneously.

(From the Manufacturer and Builder.)

STENCIL PLATES BY ELECTRO-MAGNETISM.

One of the most ingenious and novel applications made of electro-magnetism is that invented by Mr. Edison and exhibited at the Fair of the American Institute in this city, to perforate stencil plates by means of an electro-magnetic writing pen, which has in its chest and a sharp point which is continually projected and retracted with a velocity of more than 1,000 times a minute, so that in writing with this pen on paper the lines written consist of a series of holes very close together, and the words written or figures drawn may be seen when holding the paper to the light. The sheet written upon forms a kind of stencil plate, and being placed on paper, impressions may be taken from it by simply passing a proper ink over it by means of a printer's roller, when the ink will pass through the holes and make their marks on the paper underit. In this way one thousand or more impressions may be made from a single stencil plate thus written by the electro-magnetic pen. The construction of this pen is the main feature of the invention. It carries in its top a small electro-magnet with a revolving bar, making some 1,000 or more revolutions per minute; the electro-magnet is connected by means of flexible copper wires to a

small Bunsen battery, while a current breaker on the axis of the revolving bar interrupts the current twice at every revolution. This axis also carries an eccentric, which gives an upward and downward motion to a bar passing through the body of the pen and projecting below with the small point mentioned, while this point makes the perforations by the power of the electro-magnet in the top of the pen. We have no doubt but that this small machine will find many other applications besides that of writing circulars for which at present it appears to be solely intended.

TESTIMONIALS.

Philadelphia, Jan. 27, 1876.

Chas. Batchelor, Esq., Gen'l Manager.

We have been using your electrical pen and press for several months to our entire satisfaction, and find that it fulfils all that was promised of it. It is undoubtedly a great labor saving machine in our business. Yor'ry yours,

DE HAVEN & TOWNSEND.

Troy, Jan. 24, 1876.

E. S. Burton & Sons, Agts. Edison Electrical Pen & Dup. Press.

Gentlemen:—Our associates speak in such high terms of Edison's Electric Pen, you can ship one to us at once.

JOHN McKILLOP & CO.

Dear Sir:

The Edison's Pen and apparatus I have already found very useful, and I cheerfully say how much they please me and how admirably they work. Yours truly,

H. D. MUSSEY,
Washington, D. C.

Centennial Exhibition 1876.

This is a Specimen of Autographic Printing done with Edisons Electrical Pen and Duplicating Press an apparatus recently invented by Thos. A. Edison the Electrician, for the reduplication of Letters, Circulars, Price Lists, Market Quotations, Circular Letters, Pamphlets, Catalogues, Lawyers Briefs, Contracts, Legal Documents, Manifestos Labels, Bill heads, Maps, Architectural and Mechanical outline Drawings, Music, Orphic Books, Press Reports, Financial Exhibits, Ruled Forms and Artistic Drawing.

Six to Ten copies taken in one minute - 1000 impressions from a single copy prepared with the Electrical Pen with which one can write as rapidly and as easily as with an ordinary Pen. Price complete with supplies and Book of instructions, $25. Sent to any part of the United States on receipt of price, or C.O.D. by Express.

For further information address.

Chas. Batchelor
P.O. Box 3207, or
No. 41 Dey Street New York.

Our Factory
Menlo Park
N.J.

New York, ... 187

To Edison's Electrical Pen & Duplicating Press Co. Dr.

MANUFACTORY:
MENLO PARK, N. J.

41 DEY STREET.
P. O. Box 3207.

58%209 old camp road
3500 annual
23720.9

Pickers 160
Total 302

302 / 23720.09 | 78.5245
2114
2580
2416
1640
1510
1309
2116
1720

302
78%
510
2416
21458
23720.21

160
70%
800
12800
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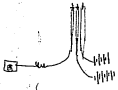
1256680
1106571
150229



Bal due old road

152229

1876. Electric Pen - Great Britain (D-76-008)

Correspondence, some by Edison.

All selected.

New York January 31st/76

Thos A Edison Esq
Newark
N J

Dear Sir

under my agreement with you I have negotiated a sale of all your inventions & improvements for Electrical Pen & Duplicating Press in & for the Kingdom of Great Britain according to the terms you authorised me to make. It will be necessary for you to make additional papers as soon

as you please to so do. as I have given the party my contract for its sale and agree to furnish completed specifications as soon as they can be properly prepared & perfected covering all the improvements

Truly Yours
Geo L Walker

Boston

Gold & Stock Telegraph Company,
Western Union Building.

Marshall O. Roberts, President.
Henry H. Ward, Sec'y & Treas.

New York 15 day 1876

Monday

Friend Edison

I have just been your envelope containing Walter's letter. about the Pen & — Walter was in to see me on Saturday. and is to come in this morning with Mr Sloper — I may also be there when they say. but if not, then you had better let matters rest just where they are. until I write you freely — I tell Walter they had no contract — but I was willing to listen to what they had to say

Yours
M. Rogers.

P.S.
The parties have not been in. they may, & when they do I will have to wait.

At the Cadogan Hotel
Sloane St. S.W.

7 Loveland
July 8. 1878

85 Gracechurch Street E.C.
London July 8 1878

T. A. Edison Esq
Dear Sir

I wrote you on Thursday last asking whether you could meet me on Friday but not having heard from you as yet I fear you cannot have received my message

I am now starting for Stoke Upon on my way to Stoke — I expect however to be in N.Y. again on Tuesday — if it will suit you to meet me on Wednesday or Thursday let me have a line to the Union House Stoke Broadway and I will arrange to come on

— Will you kindly have ready the particulars as to the ink and the other matters which you promised me. — I could also send a friend from Stoke Newington on one of the above days — either one on which I do not could be good. —

Have you ever thought of using an indelible ink for marking or printing upon linen?

I hope to leave for England on Saturday

Yours faithfully
Frederic Ireland

9 New Broad Street
Augt 15 · 1876

My dear Sir

I have been very busy since my return from New York but I have now decided on a location for offices from which I shall hope to hand a good supply from you — I have also had some talk with one or two friends respecting the German Patents — I have said that you will authorize us to take up this for a nominal sum — please confirm me in this — I think we shall be inclined to risk the outlay in the matter

Have you yet perfected the quadruplex work the Pen and wire — I think I can get it taken up here. — Yours faithfully

Frederic Ireland

P.S. Have you got any further with the "Communicator"? —

Aug 15, 1876

New Broad Street
London E.C.

August 15. 1876

T. A. Edison Esq.

My dear Sir

The first consignment of Pens has, I believe, arrived in Liverpool but I have not yet received them here. — probably I shall have them tomorrow. —

After a discussion with Mr. Breckon we have decided to take offices at the above address and to carry on all business connected with the Pen from there — please therefore address all future

Communications to me to New Broad Street and send Pens there at the rate of twenty per week unless I write for consignments here either by letter or wire.

You have not yet sent the particulars of prices of the various parts of the pen — please let me have these by return — I think it may be useful to both of us.

The offer you made to Jim Leffer has

now cooperate — Will
you be good enough to
write confirming the
offer you made to me
for Prince Belgiojoso
as soon as I have
organized the sale
in England & will
take the instrument
in hand.

Pray push the plus
forward as fast as
possible — If you

Give send an extra
number please do so

I am
Yours faithfully
Federic Lehmann

Sunderland
Aug. 31/1876

Dear Sir

I have not had a favorable opportunity for writing to you since Mr Ireland's return until the present.

Our connection, through the sale and purchase of the Patent for the Electric Pen and Duplicating Press, prompts me to say that I trust all our transactions may be of a satisfactory character. Nothing shall be wanting on my part to place our business in that desirable state and from what Mr Ireland has told me of yourself I have every confidence in your wish that we should work amicably together and make the transaction a great success. Other business will absorb a large portion of my time. I have therefore arranged with Mr Ireland for the working out of the success of the Pen: of course I shall see that all goes on rightly. Financial and all other important matters will receive my constant attention.

I shall be glad at

all times to hear from you
and when you hit upon any
improvements you think, I hope,
give me the benefit of them
as promptly as you can

Yours truly
S. D. Breslin

Thomas Alva Edison Esq
Menlo Park
New Jersey

1 Enclosure

The Electric Writing Co.

9. New Broad Street E.C.

Sept. 1 1876

T. A. Edison Esq

Dear Sir

I have advice of another lot of Pens by the Abyssinia — We are however barely settled in here yet — so that I have not got them delivered — Out of the one case I have opened out I found one strap without the brass catches & the movable frame of one was broken — please send me a set of catches & the frame — it will cost too much to get them here specially — I enclose you a letter from Mr. Clark — It hardly seems possible that a pen can have been damaged in transit — All that I have are working well — Can you in future forward send the pens in a special package — it will be safer and each can be taken out and examined here — In future please address all communications here instead of to Sunderland

I am awaiting your reply to my other letters

Yours truly

Frederick Ireland

The Electric Writing Co.

9. New Broad Street E.C.

Sept. 2 1876

T. A. Edison Esq

My dear Sir

In writing you last night I neglected to mention that we have very great trouble with the screws of the roller – they mostly fall out about every ten minutes – some are worse than others – and being only it is, of course, a derby job to put them in again

Screwdrivers

Could not these be a little stouter or better tempered – they bend or break in use very soon

Yours truly

Frederic Prelund

Fred Prelund
Sept 2 1876

Ireland
Sept 20, 76.

The Electric Writing Co.

2. New Broad Street E.C.

Septr 20. 1876

T. A. Edison Esq

My dear Sir

Thanks for your letter of 29th ult. — I think it must have been delayed in transmission — I am also still without the details of price which Mr Batchelor promised me. — I have had a great deal of trouble with the first lot of pens (5) owing 1st To the rollers pens all working out —

2nd To two of the pens working very badly. —

3rd To the ink being very defective & light in color

Of course I did not at first know what was the matter and dare not send out pens till all was in order — The second lot are all right but badly packed — i.e. three pen boxes are entirely without fittings — 7 others have no files or screw drivers. — none have extra needles or cards — three freeps have the clips — i.e. the folding

fast smashed - and
before make your -
please send me some
ones to fix on
The second lot of Ink
is blacker but I could
wish it blacker still
- I send you specimen
of writing - No 1. is your
first ink - 2. your second
3 is ink used by Clark
- he says 1/2 prussian and
1/2 Castor. - I cannot
get this to work -
Can you suggest anything
that will answer I want
deeper color. - It seems
almost essential here
- Your screw drivers are
too weak. cannot you
make them stronger. -
The cords wear out -
very fast - Please send
an extra supply - say 100
and say where they can be
had here. If you know
- We have already competition
by a Pneumatic pen - which
works a needle - I think
it is an infringement - if
not it will be a serious
competitor. - we have given
notice. -
I need you stopping supplies
until I could call your
attention to the above matters
- especially ink
Yours very faithfully (Schenk)
Frederic Delano

A. S. Dellcoff
Co. Pay. Dr.
37 Ins

Received
Oct 9. 76

The Electric Writing Co.

37 Ins. 27 New Broad Street E.C.

Oct. 9 1876

T. A. Edison Esq

My dear Sir

I enclose you J. R. Buck's acceptances

Aug. 19. 9 days	49.	10. 0
29. "	49.	10. 0
Sept 5. "	49.	10. 0
11. "	49.	10. 0
July 26 "	4.	17. 4

these with what we have found to Elliot will nearly balance your a/c

I have written my friend Charles Tindale and he will I think be able to advise you how best to deal with them. — I think he is to be found at a Bank at (17?) Wall Street but his postal address is 2145 Box New York.

Now —

The last consignment is better packed but in no case does the Pen box contain spare needle or Cord. — Screwdrivers

These turn up, over an tight screw — could you not alter the temper or the style of the barrels

Would they not be better

if slightly corrugated or roughed towards the bottom. — When the handles hot they feel slippery. —

We are sending with all our pens a small Arkansas stone for sharpening needles. — Don't send any more books. — we must have some printed for English use. — yours is quite adapted to the States. — Mr. Batchelor has not yet sent me list of detail pieces. — It is putting me to much inconvenience. — I have wrote for the list. — Shall I detain you!?

We shall certainly make some of the machine heads. — I think we have a greatly improved press one of which I will send you if you like.

Packing

Some of the pens are too tight in the box and unless the utmost care is used they are strained in taking out. — would not shorter side pieces with a wedge do better.

I send you some samples of the sort of work we are getting out.

Yours very faithfully
Frederick Ireland

Letters
Foreign

The Electric Writing Co.

9. New Broad Street E.C.

Oct. 11 1876

C. A. Edison Esq
My dear Sir

Patent -

We are already fighting on this question. — A Mr Dumphrey has patented a pneumatic pen. —
I send you a paper showing a description of this. —
We contend that the needle in the tube is an infringement
- I hope we shall stop him
- if not it will be very curious - he sells his pen for £2 . 10 . 0 .

All this makes it very desirable that prompt measure should be taken to dispose of Continental Patents - I may go to Paris next week on the subject. —
Do you mind my separating the French and Belgian Royalty. - On this point write me. - Say "separate" or - "dont separate" - this I shall understand to mean you consent - or object.
It is very desirable that we should have your signed transfer for these two Countries all ready. -
- Have you any out here

you can allow to hold
these as your agent to
be given up on receipt
of the amount you want
for Patent —

Telegraph —
When may I look for
one of these machines
— If I could have it at
once — I am sure I could
get it taken up.

Yours respectfully
Frederic Fielding

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rates of this Company require that all messages received for transmission, shall be settled at the message blank at the Office of Delivery, and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

WILLIAM ORTON, Pres't. | New York
A. R. BREWER, Sec'y.

Dated Oct 16 1876

Received at Menlo Park

To Edison

Menlo Park N.J.

Must sell samples continent
to sell patent now authority
Belgium three thousand
Dollars now

Boland

I. S. Lowden

The Electric Writing Co.

4 New Broad Street, E.C.

Oct. 26 1874

T. A. Edison Esq

My dear Sir

I have just received your telegram at 3.20. — I had waited till midday before wiring you as per enclosed copy. —

I will now try and act promptly with regard both to the French & Belgium Patents — the latter I think I can get taken up at once

I am also negocating about Spain.

Our sales here have not been so large as I could wish — we have much prejudice and stupidity to overcome. — We have found it impossible to get people to recharge their batteries once a week and their general neglect of the pen is something difficult to comprehend — 'Out of evil cometh good.' — We have succeeded in obtaining a battery quite as strong and consistent

Oct 26. 1876

as our own and it will work for three months without attending – we are assured it will work for six. – of this we have not had time to obtain proof but our experienced leads us to believe in it. —

Shall we we send you battery & proofs. — They are not patented in the States, but if you are willing to give the inventors something for their trouble, they would, no doubt, appreciate it. –

Yours very truly

Frederic Delano

Telegram

Must sell samples Continent to sell patent. Wire authority. Belgium three thousand dollars Wire.

Oct 27 1876

Ireland

Nine New Broad

London

Self Belgium Edison

Copy

7-

The Electric Writing Co.

9. New Broad Street E.C.

Oct. 28 1876

T. A. Edison Esq

Dear Sir

In writing you the other day as to the new battery we are using I find I was wrong in saying it was not patented in the States. — I find it is and that the Royalty is 1/- per cell. — If however it does its work one half as well as it appears to it is worth having both for the Pen and for telegraphic purposes. —

If you care for it I can get, for you, the sole right to manufacture these in the States. — the price they are sold at here is 7/- per cell — including royalty. — the profit is 60 %. —

They are unquestionably doing wonderfully well here — 2 cells doing the work of 12 ordinary cells and lasting without attention for many months. —

I can make one of these batteries run the pen 50 seconds after destroying connection

Oct 28. 76

Thanks for your wire of yesterday – it was unfortunate that our messages crossed

In future you may telegraph me

"Electric – London"

that will be sufficient

Yours faithfully

Frederic Ireland

Oct 31. 1876

The Electric Writing Co.

9. New Broad Street, E.C.

Oct. 31 1876

T. A. Edison Esq

My dear Sir

I duly received the sample of paper this morning for which I am obliged. — It is very easy to write upon but I must confess that for my own use I prefer a thicker paper somewhat soft but not soft enough to let the ink soak through it. — this paper seems to me to give the writing more completely the appearance of continuous lines — The thinner paper gives so accurate a fac-simile that the dots are more apt to show

I enclose you specimens printed from our Stencil paper with our new ink — I don't know the composition of it but it works smoothly & fill — dries quickly and yields results as black as you see with very few turns of the roller. —

Yours truly

Frederic Ireland

Nov 16, 1876

The Electric Writing Co.

9 New Broad Street E.C.

Nov. 16 1876

T. A. Edison Esq

My dear Sir

Pneumatic Pen

Our Patent Laws are so unsatisfactory that - rather than risk a law suit - we have consented to buy up the invention - It certainly works wonderfully well and with a little improvement would do quite as well as the 'Electric' - the cost of production was very small and had we not come to terms the opposition would have been very serious.

: There is an effort being made to get the Pneumatic patented on the Continent - had you not better authorize one - or someone on your behalf - to oppose this - or to come to terms with the inventor

Please send us an Embroidery Pen. - Prefs. -

I enclose you a sketch of this - Frame A has a groove in it - B has a projecting band of Indian Rubber - the two fasten together by two hooks and the paper is held firm at all points. - However then the paper used may be

it cannot "sag" and it cannot tear away as it is apt to do when it is jerked by the spring

Ink

Our new ink is working very well and - as a close assimilation to working Ink is an immense improvement.

Batteries

These also are working well - the fact of their portability is above - an immense advantage - but independent of that they are working well - We are putting them to the severest tests - and we quite believe what is said of them - i.e. that they will keep in good working order - without renewal - for many months.

I think we had better send you samples of the battery - prep & Ink. -

Yours truly
Frederic Delaunay

Needle I suppose
to shank

The Electric Writing Co.

2. New Broad Street, E.C.

Nov. 16 1876

Nov. 16. 76

T. A. Edison Esq

My dear Sir

Please forward per Steamer to "London" (if possible) fifty Pens - One hundred Extra needles and one hundred Extra files. - Do not send other batteries or presses - You may draw on The Electric Writing Co. for the amount of the above

Yours faithfully
The Electric Writing Co
J. T. S.

8.42
00.5
8.47
48
5.1
3.37

Answered
Nov 27. 76

The Electric Writing Co.

9. New Broad Street, E.C.

Nov. 27 1876

My dear Sir

Yours of the 10th arrived during my absence — I have tried the Leclanche and the Muirhead batteries and found the same objections as you did — i.e. that the Electric Current is exhausted after working for about half an hour — We are using the Fuller — You may write all day with it and one that I charged about 6 weeks since is as strong as ever — The Battery further has the advantage of being easily portable and even if it would not answer for desk work I should adopt it for travellers and agts — It does not however occupy much more room than your own and I am sure that you will like it — that I am sending two by Steamer together with full particulars — The cost for cell would not, I think, exceed $1½ ¢ cell in New York without however including duty (without the case which costs here 6/6) We shall be glad to have the power press as soon

as it is complete –
I am obliged for the suggestion
you made, also for the
Cold. – We have bought
up the Pneumatic. –
Would you like to have
one.

Yours truly
Frederic Ireland

Mr. T. A. Edison

a

Recd Nov 27, 76

The Electric Writing Co.

9. New Broad Street E.C.

Nov: 27 1876

My dear Sir

Can you order for me and send with the next Consignment of Pens I Self-Inking Printing Pens as advertised in the Scientific American by Gorham & Co Boston also their pamphlet - the Press is I think 8 lb. - I should also like to have one of those sewing machines you told me of if they are now completed

- I have advice from Mr Sewell and hope to be able to write you definitely about several parts of the Continent very shortly

We are getting orders more freely now I am glad to say but we have great trouble in finding suitable agents

Yours very truly
Frederic Ireland

Mr. Edison

9 New Broad Street E.C.
Novr 27 1876

Mr Batchelor
New York

Dear Sir

Please send with the next consignment of Pens - which should come here if possible, direct. —

50 Needles & thread
10. Frames - c.c. —

We have had several of these broken in transit, both by carrier (c.c. "Express") and by post.

30. Springs for presses

You already have some press springs on order. — five more broken in the last lot - please send some to replace

Yours truly
Frederic Ireland

Ireland
Dec 1. 76

The Electric Writing Co.

9. New Broad Street, E.C.

Dec 1 1876

T. A. Edison Esq
My dear Sir

Yours of the 12th
I am sending off the two Fuller Batteries tomorrow - Thanks for yours about telegraph - If you could let me have one promptly I feel certain I could get it adopted ——
The whole of our public wires being in the hands of the Government there is little or no "trade" except for bells & short lines in Factories etc. —
If the novelties would suit the public lines - and are good - I can ensure their adoption — Let me have particulars.

Yours faithfully
Frederic Ireland

T. A. Edison Esq (1883?)

Dear Sir

Yours of 15th inst to hand

I hope that you will come in here at your first opportunity –

I am expecting Mason here by every steamer & will see then what we can do about your "pen". matters of course we will not stand in your way – if there is no prospect of our doing anything

Yours truly

Wm. C. Lefferts

Esq

1876. Etheric Force (D-76-009)

Correspondence, some by Edison; journal article.

All selected.

Hall of the Wagner Free Institute of Science,

INCORPORATED MARCH 9TH, 1855.

Caco Deus Adest.

Philadelphia Jany 5. 1876.

Mr. Thos. A. Edison
Newark, N.J.

Dear Sir:

We have followed with unusual interest, the accounts that have appeared from time to time, concerning your "etheric force"; & deem the matter of such importance as to warrant us in extending to you an invitation, which we sincerely hope you will not decline, to deliver a lecture, or read a paper, before our Institute at its stated meeting, 15th. inst., or at a special meeting to be called for that purpose. Our Hall comfortably seats 1200 & is generally uncomfortably filled at our meetings. There

is an ample supply of apparatus to aid you should you so favor us as to present your discoveries in person — and we would see to it that you were comfortably housed, & due & proper announcements made through the public papers, &c.

Your early & favorable reply will be highly esteemed, dear Sir, by

Yours with respect

Wm H. Wahl
R. Lyminstow } Secretaries

Wm. Wagner, President

Dr Can you go down and deliver it = if not write me and I will inform them I cannot go.

Edison

Yes: I will go.
E.M.R.

Edison
Original Invitation
July 5 '76

[January 10, 1876]

I write so with you on Saturday
Jan 15; and you can so write
then in Philadelphia, I will
write at once according to
R. Grimshaw
Wagner Free Institute of
Science. Philadelphia.
I am attending the funeral
of my father; from this day,
T. H. Rees.

THE CHEMICAL NEWS.

Vol. XXXII. No. 857.

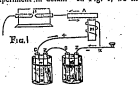
ELECTRICAL PHENOMENA.

The Alleged Etheric Force. Test Experiments as to its Identity with Induced Electricity.

By Prof. Edwin J. Houston and Prof. Elihu Thomson.

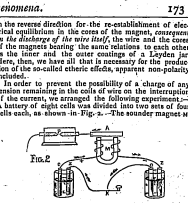
Since the experiments of Mr. Edison are still believed by some to demonstrate the existence of a force hitherto unknown, we submit the following considerations, together with experiments, which we believe to be crucial in establishing the identity of the supposed new force with inverse currents of induced electricity. The alleged necessity for the assumption of the new force being based on its asserted lack of polarity, we propose to show how two opposite phases of the so-called new force may neutralize each other, thus conclusively establishing its polarity.

In order to show that, in Mr. Edison's experiments, inverse electrical currents must necessarily exist, notwithstanding the fact that the manifestations occur only at the *opening* or breaking of the circuit, we will discuss his typical experiment in detail. In Fig. 1, we have the



well-known arrangement for the production of the alleged new force. On the completion of the circuit, the battery current flows as shown by the arrows, and it becomes a magnet. On breaking the connection as at x, the so-called etheric force is manifested at the points r, in the dark box. It is evident that the above embraces all the essentials of Mr. Edison's experiments. When a battery current flowing through a considerable length of wire, is interrupted by breaking contact as at x, a bright spark of appreciable length is seen at the break (x). This spark is due to the extra current, and indicates a great increase of electrical tension in the wire, the discharge occurring through an appreciable air-space at x. It will be seen that the wire around the magnet is at the moment of breaking contact, charged with electricity of considerable tension (extra current), positive or negative, according to the direction of the battery current. In Fig. 1, since the magnet wire is connected with the positive pole c of the battery, the charge in the wire will be positive, and a negative charge will be accumulated on the general conducting surface of the battery, which thus acts in part to condensate the negative charge. This state of tension at once disappears on the discharge of the extra current. The extra current is not produced until the circuit is broken, and its discharge takes place when the wires have been appreciably separated, as shown by the spark. At every break, therefore, the wire surrounding the core of the magnet accumulates a static charge of considerable tension, which is rapidly discharged. This charge, acting by induction on the core of the magnet, induces in it, and in all metallic masses in connection therewith, a *flow* or charge in one direction, *while the tension in the wire is increasing*, followed instantaneously by a *flow* or charge in the reverse direction for the re-establishment of electrical equilibrium in the cores of the magnet, *consequent on the discharge of the wire itself*, the wire and the cores of the magnets bearing the same relations to each other as the inner and the outer coatings of a Leyden jar. Here, then, we have all that is necessary for the production of the so-called etheric effects, apparent non-polarity included.

In order to prevent the possibility of a charge of any tension remaining in the coils of wire on the interruption of the current, we arranged the following experiment:—A battery of eight cells was divided into two sets of four cells each, as shown in Fig. 2.—The sounder magnet M_1,



used in this experiment, was connected as shown, *i.e.*, one end of the coils with the positive pole of the left hand battery, and the other end to the negative pole of the right hand one. An interrupter placed midway between the remaining poles of each battery furnished the necessary breaks, as at x. Under these conditions we could obtain no appreciable spark in the dark box at r. In this experiment the magnet is placed so as to occupy the exact middle of the circuit, one-half the wire in the coils being influenced by that part of the extra current which produces a positive charge, and the other half by that which produces a negative one. When thus arranged the inductive effects of the extra current being equal and opposite, neutralise each other, and hence no inductive spark appears in the dark box r. In this experiment, thorough insulation of the batteries, key, and connecting wires, is necessary, in order to secure an equal division of the effective circuit.

The absolute necessity for the equality of the two divisions of the circuit and of the neighbouring conducting surfaces, in the above experiment, is shown by connecting any part of the circuit with a conducting surface, as, for instance, a mass of metal, or even the body of the experimenter, when sparks at once make their appearance at r. The mere approach of the person, *without* contact with any conducting surface near to any part of the circuit, or to either of the batteries, is followed by a similar result. In this connection it is evident that any inequality in the metallic surroundings of the halves of the circuit is sufficient to cause irregularity in the results. So necessary is the *equal* division of the conducting surfaces, that even the use of an ordinary telegraphic key at x is sufficient to introduce unequal metallic surfaces into the circuit, and so derange the experiment, and we would therefore suggest that the breaks be made by the conducting wires themselves. If the battery be unequally divided, sparks are seen in abundance in the dark box.

To test the question of the identity of the alleged new force, the following experiment was devised:—The battery terminals were connected respectively with one end of the coils of the magnets M_1 and M_2 which were each counterparts of each other. The circuit was completed through the interrupter x, connected with the two remaining ends of the coils. Wires a and a′ were provided for connecting the cores of the magnets with the dark box r, at pleasure. When the wire a was connected with r, sparks were seen in the dark box, in breaking the contact at x; similar sparks were seen where the wire from a′ was alone connected. When *both* a and a′ were connected with the dark box *no spark could be obtained*.

In the foregoing experiment it is evident that the

polarity of the extra current produced in n is the opposite of that in n′, representing, as they do, the positive and negative poles continued from the battery. Under these circumstances the induced charges in each core being opposite, neutralise each other, and no spark is seen. Since, however, contact of *a* or *a′* with n or n′ singly gave all the so-called etheric manifestations, and that when

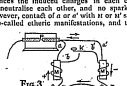


Fig. 3

both were connected no spark was obtained, *it is clear that in this experiment is presented unquestioned evidence of that polarity which has apparently been wanting, and which must here thus for furnished the only grounds for the assumption of the discovery of a new force.*

That the non-appearance of the spark at p was due to an exact neutralisation of the two opposite phases of the "etheric force," is shown by bringing any conducting surface, as the finger, into contact with any part of the circuit, as at *b* or *b′*, when sparks at once appeared at p.

We found that it was not necessary to employ coils surrounded by coils of wire to produce the so-called etheric force. We note the following experiment:—A hollow cylinder of non-conducting material as a test-tube was covered on the outside with a sheet of metal. A metallic bar was placed inside the tube, and from it a wire was led to the dark box. On connecting the exterior metal surface with almost any portion of a long battery circuit, which was interrupted, sparks were seen in the dark box at every break. These sparks possess all the properties claimed for the "etheric" sparks. In this case no person at all familiar with electrical induction would for a moment question the true origin of the sparks seen in the dark box.

Metallic coatings are not necessary to produce the effects just described. In the following experiment we

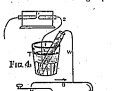


Fig. 4

replaced them by liquid surfaces:—In a tumbler partly filled with slightly acidulated water, a test-tube is placed, also filled with acidulated water. The wire w, connected with the battery wire n, interrupted at k, is inserted in the test-tube. The wire n, in connection with the dark box, dips into the liquid in the tumbler. On interruption of the circuit, sparks appear at the dark box p. Comment is unnecessary.

It may be interesting to state that the foregoing experiments were thought out in accordance with the known laws of electricity, and the results fully confirmed our expectations. It is hoped that the foregoing experiments will have established still more decidedly the fact that *all the manifestations classed as "etheric" are due solely to inverse currents of induced electricity.*

NOTE ON THE FORMULÆ OF ALCOHOLS.

By WILLIAM ODLING, M.A., F.R.S.

The accompanying table presents the formulæ of thirty-three alcohols. Of these, eight only are expressed by four-line formulæ, the remainder by three-line and two-line formulæ. Moreover, in order to manifest the relationship of the several formulæ to one another, the majority of them are written more cumbrously than would suffice equally well to exhibit the constitution of the several alcohols individually. Thus the formulæ of the two primary butylic alcohols, or propyl-methol and pseudopropyl-methol, would commonly be written $(HO)H_2C.C_2H_5$ and $(HO)H_2C.CH(CH_3)_2$, corresponding to the formulæ for the butyric and isobutyric acids, $HO_2C.C_2H_5$ and $HO_2C.CH(CH_3)_2$, respectively. The formula for secondary butylic alcohol, or ethyl-methyl pseudol, would be written—

$$(HO)HC\begin{cases}C_2H_5\\CH_3\end{cases}$$

corresponding to that of ethyl-methyl ketone—

$$OC\begin{cases}C_2H_5\\CH_3\end{cases};$$

while the formula for tertiary-butylic alcohol, or trimethyl kathol, would be written $(HO)C.(CH_3)_3$. Of the thirty-three alcohols represented, seven are referable in some way to meso-paraffins. In the formulæ of these seven alcohols it has been preferred to denote the differently constituted radicals by index letters rather than to use more complex formulæ. In four of these seven formulæ, however, there occurs only the radical pseudopropyl,—

$$C_3H_7^{p}\quad\text{or}\quad -HC\begin{cases}CH_3\\CH_3\end{cases}$$

(more commonly called isopropyl), and in a fifth only the homologous radical, pseudobutyl,—

$$C_4H_9^{s}\quad\text{or}\quad -HC\begin{cases}C_2H_5\\CH_3\end{cases}$$

the secondary radicals derivable from the normal paraffins, propane,—

$$H_2C\begin{cases}CH_3\\CH_3\end{cases}$$

and butane,—

$$H_2C\begin{cases}C_2H_5\\CH_3\end{cases}$$

respectively. In the other two formulæ there occur respectively the primary and tertiary radicals, isobutyl,—

$$C_4H_9^{p}\quad\text{or}\quad HC\begin{cases}CH_3-\\CH_3\\CH_3\end{cases}\quad\text{or}\quad -H_2C.CH\begin{cases}CH_3\\CH_3\end{cases}$$

and katabutyl,—

$$C_4H_9^{t}\quad\text{or}\quad -C\begin{cases}CH_3\\CH_3\\CH_3\end{cases}$$

derivable both from the iso-paraffin,—

$$HC\begin{cases}CH_3\\CH_3\\CH_3\end{cases}$$

or isobutane.

It is to be noticed that the formulæ for all the several alcohols are constructed on the type of the formulæ of the several paraffins, normal, iso-, meso-, and meso- respectively, from which the alcohols are formed by substitution of hydroxyl, OH, for hydrogen.

The homologous iso-primary alcohols are derived from a typical iso-primary alcohol; and this typical iso-primary alcohol is derived from the normal secondary alcohol, as is the iso-paraffin from the normal paraffin:—

$$\text{as } HC\begin{cases}CH_2(OH)\\CH_3\\CH_3\end{cases}\text{ from } HC\begin{cases}CH_2\\CH_3\\CH_3\end{cases}\text{ or } (HO)HC\begin{cases}CH_3\\CH_3\end{cases}\text{ from } HC\begin{cases}H\\CH_3\\CH_3\end{cases}\text{ or } H_2C\begin{cases}CH_3\\CH_3\end{cases}$$

1876. Exhibitions (D-76-010)

Correspondence.

All selected.

[No. 181.]

UNITED STATES CENTENNIAL COMMISSION.

INTERNATIONAL EXHIBITION,

1876

PHILADELPHIA.

BUREAU OF INSTALLATION.

SPECIAL NOTICE.

The large amount of exhibiting space applied for in the Main Exhibition Building, renders it *necessary* that applicants for space desiring to erect show cases, counters or partitions, should send to this Bureau a scale drawing or tracing showing clearly the elevation and ground plan of the same, and especially indicating the sides of the cases intended for inspection.

Parties not intending to erect cases, counters or partitions, must furnish a drawing or tracing in outline, showing the manner in which they propose to occupy the space applied for.

These drawings are absolutely necessary to insure a satisfactory location.

Thos A. Edison Esq.

Dr. Our Mr. Gosborn's early attention is called to above as space is now being allotted — Please indicate to us what space outside is a proper exhibit, as the class is much crowded & it will be impossible to grant as much asked for viz - 45 x 85. or some time we are desirous of giving you what is strictly necessary

A. T. GOSHORN,
Director-General.

HENRY PETTIT,
Chief of Bureau of Installation.

PHILADELPHIA, *September 29, 1875.*

Address

for Co.

Batchelor

Say that we will take
20 by 20 and make
a drawing showing
common radius
Say to him we will
put a flow apparatus
on ordinary tables =

H. Pettit
Chairman Co

International Exhibition,

—1876—

UNITED STATES CENTENNIAL COMMISSION.

Bureau of Administration
INSTALLATION.

Philadelphia, Feb 26th 1876

Thos A. Edison Esq
Dear Sir:

I have rec'd letter from Mr. Orton Esq Chief of Western Union Telegraph Co. saying that you were willing to give up the space allotted to you, so that it might be transferred to them, provided they should show the instruments invented by you but of their manufacture. Please advise me if this is the case. Or if you have some instruments of your own that you wish to exhibit and are willing that your exhibit

should be in connection with theirs — we can give you a permit for space in the area granted to the U.U. Co — the latter Co to pay the space, or this is to be agreed upon between you.

Please advise me at once if you want to make this arrangement with them and return the Permit —

Yours —
Henry Pettit
Chief of Bureau

Wm.O.

I will transfer my space to you providing you will protect me from any sinful games on the part of my friends your Electricians —— Edison

1876. Gilliland & Co. (D-76-011)

Correspondence, promissory notes and protests, bills, receipts.

All selected.

(1876)

New York Jan 9

Received of A C Miller
agent Thirty five dolls 35.00
Twenty dolls 20.00
on account 55.00

Gilliland & Co

A C Miller

I got these things
ready and sent them soon as possible
please send by the bearer all the
money you can possibly raise
it is Saturday pm & I have got
to have some — Have money
what we on hand to pay off
tonight try & get some & send
by bearer

Yours
Gilliland

Jany 8/76 Sent $20 — with letter by
Edward —— A C Miller

PAPER BOXES,
OF EVERY DESCRIPTION.
PLAIN AND FANCY,
Constantly on hand,
AND
MADE TO ORDER.

Newark, N. J., Feb 11, 1876.

M. Ed. Gilliland & Co.

Bought of **JACOB GAUCH & BRO.,**
MANUFACTURERS OF
PACKING BOXES,

TERMS CASH. *Cor. East Mechanic & Bruen Streets.*

1	Tare	41	16	14	84	
1	"	39 1/4	11 1/4	1 Pin	1 25	
1	"	36	10 7/8	11 1/4 + Dd.	49	
1	"	30	16	14	49	
						3 04
	22 pins	1 29				72
						3 76

United States of America,
State of New Jersey, } ss.

Thirteenth

On the ~~Fifteenth~~ day of March

in the year of Our Lord One Thousand Eight Hundred and 86, at the request of

The Republic Trust & Banking Co.

I, CHURCHILL H. BROWN, Notary Public, duly appointed, commissioned and sworn, residing in the City of Newark, and State of New Jersey, did present the original Note hereunto annexed, for $86.25/100 dated March 11. 1886 at the Mechanics Natl. Bank and demanded payment of the Book Keeper thereof, who answered.

No funds.

Whereupon I, the said Notary, at the request aforesaid, did PROTEST, and by these presents do publicly and solemnly PROTEST, as well against the DRAWER and ENDORSERS of said Note as against all others whom it doth or may concern, for exchange, re-exchange, and all costs, charges, damages, and interest already incurred, and to be hereafter incurred for want of payment of the said Note.

Thus done and protested at Newark,

In witness whereof, I have hereunto set my hand and affixed my Notarial Seal, the day and year first above written.

C. H. Brown.

Notary Public.

Protest Book
A. 35

Stamp.

$60.00/100 Menlo Park N.J. May 24 1886

Sixty days after date I promise to pay to the order of John D. Rice or order

Sixty only Dollars

Value received.

No. 23 Due

E. T. Gillet

53 R.R. Ave

PROTEST

Gilliland & Co.

FOR

Republic Ins. Co.

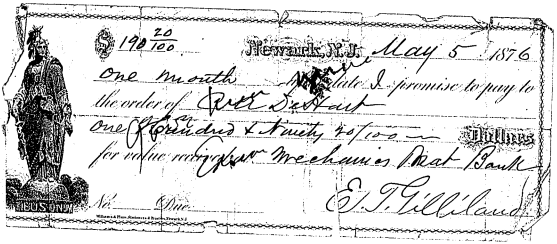
Dated Mar 11 1876.

$76.82

Notarial Fee 1.50

Postage .04

77.66



$190 20/100 Newark, N.J. May 5 1876

One month after date I promise to pay to the order of Robt Dorant

One Hundred & Ninety 20/100 Dollars

for value received Mechanics Nat Bank

No. Due. E. T. Gilliland

PUBLIC USE ONLY

Newark, N.J. May 13 1876

Please to take notice that a note drawn by Gilliland & Co. dated Mar. 11. 1876 payable Sixty days after date for Twenty Six 1.00 Dollars, endorsed by you has been protested for non-payment, and that the holders look to you for payment thereof, payment having been demanded and refused.

Yours Obedient Servant,

CHURCHILL H. BROWN,

Notary Public.

To Thos. A. Edison Esq

United States of America,
State of New Jersey, ss.

ON the eighth day of Feby in the year of our Lord, one thousand eight hundred and seventy-six at the request of

$191 50/100 Newark, N. J. May 5th 1876

Two Months after date I promise to pay to the order of Thomas A. Edison

One Hundred & Ninety one 50/100 Dollars

for value received at Mechanics National Bank

No. Due. E. T. Fellland

Bank of Newark & Trust Company

Teller

and of Nota demanded payment thereof, who then and there refused to pay the same: saying the Maker was not present, and had not there left funds for that purpose. Whereupon I, the said Notary, at the request of the aforesaid, did Protest, and by these presents do publicly and solemnly Protest, as well against the Drawer and Indorsers of the said Note — as against all others whom it doth or may concern, for exchange, re-exchange, and all costs, charges, damages, and interest already incurred, and to be hereafter incurred for want of payment of said Note —

THUS DONE and PROTESTED in the City of Newark, aforesaid, in the presence of JOHN DOE and RICHARD ROE, Witnesses.
IN TESTIMONIUM VERITATIS.

REGISTERED IN BOOK, No. 5

Notary Public.

United States of America,
State of New Jersey, ss.

ON the eighth day of July in the year of our Lord, one thousand eight hundred and seventy-six at the request of

The Mechanics' National Bank of Newark,

I, HUBERT V. W. MYER, Notary Public, duly appointed, commissioned and sworn, residing in the City of Newark, and State of New Jersey, did present the original note made by E. T. Whiteland at two months for $191.50 dated Newark N.J. May 5th 1876 and hereunto annexed, at the Mechanics National Bank of Newark to the Paying Teller

and of Same demanded payment thereof, who then and there refused to pay the same: saying the Maker was not present, and had not there left funds for that purpose. Whereupon I, the said Notary, at the request of the aforesaid, did Protest, and by these presents do publicly and solemnly Protest, as well against the Drawer and Indorsers of the said note — as against all others whom it doth or may concern, for exchange, rexchange, and all costs, charges, damages, and interest already incurred, and to be hereafter incurred for want of payment of said note —

THUS done and PROTESTED in the City of Newark, aforesaid, in the presence of JOHN BOS and HERMAN BOS, Witnesses.
IN TESTIMONIUM VERITATIS.

REGISTERED IN BOOK, No. 5

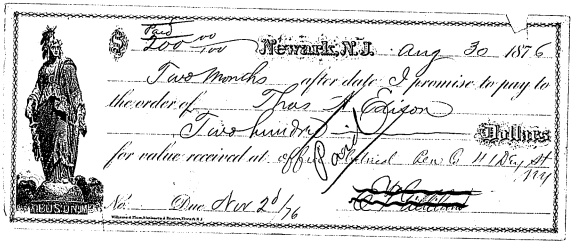
H. V. W. Myer Notary Public.

Hon. Jas. Edwards
Morris Park
N.J.
Kind enough to forward
E. T. Whiteland
Newark
N.J.
Contents known
Respectfully yours
E. T. Whiteland

Pay MECHANICS NAT'L BANK
Newark, N.J. or order
E. T. Whiteland
Pay Cash
Pay Cash

S. J. Gilliland
for
E. H. Peterson Jr. Cashier
Note $ 191.30
Int. & Postage 1.50
July 18, 1896. 192.80
1930

C. A. DeHart



Pay 200 00/100 Newark, N.J. Aug 30 1876

Two Months after date I promise to pay to

the order of Thos A. Edison

Two hundred Dollars

for value received at office Post Office Rec'd 11 Rec'd at 1/4

No. Due Nov 2d/76

THE STUDIO

1876. Patents (D-76-012)

Correspondence, agreement, patent assignments, preliminary statement by Edison, bills, receipts.

All selected.

$100.00

New York Jany 12th 1876

Received from T. A. Edison Esq.
One Hundred Dollars on account
of Patent Business

Lemuel W. Serrell
L. W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
119 & 121 NASSAU STREET,
New York, Feb. 7th 1876.
(P. O. Box 4689.)

3rd Notified

T. A. Edison Esq.

Dear Sir.

I am in receipt of notice from the Patent Office that an application has been filed for a patent, which interferes with the first claim of your Caveat No. 71. filed Dec. 8. 1875. You are allowed three months in which to complete your application, and the interfering application will be suspended during that time. The claim referred to is "the combination of a number of vibrating pendulums each making a greater or lesser number of vibrations in a given time than the others with contact devices and separate batteries so that each shall by its vibration place in and withdraw from circuit its own battery without breaking the continuity of the same."

L. W. Serrell
Feb 7, 1876

Yours truly
Lemuel W. Serrell
L. Martin.

W-2-20-76

My Dear-

Yours of 2-19- to hand - If you don't row well up Sewell he won't put in your papers promptly - He is a good atty, but has so much on hand, that he neglects yours - Can you be here Friday? What does the one you sent cheaper do?

Hold Yours

W. Lanier

Samuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
119 & 121 NASSAU STREET,
New York, Mar. 10th 1876.
(P. O. Box 4089.)

T. A. Edison Esq.
Dear Sir.
The following annuities on your foreign patents for Duplex Telegraphs fall due in April.
French Patent No. 107,859, dated April 28th 1875, is due Apl. 28 1876. Amount including expenses $35. specie.
Italian Patent No. 7805 dated Apl. 30 1875, is due Apl. 30. 1876; Amount including expenses $20. specie.
Notice to pay these annuities must be sent from here by Apl. 10th at the latest.
Yours truly
Samuel W. Serrell
per. Pierce.

S. W. Serrell
Mar 10, 1876
Foreign Annuities
Paid Serrell

Thos. A. Edison Esq.

NEW YORK, Mch 21 1876

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS. } ACCURATELY PREPARED

AND

RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. } PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,

Solicitor of American & Foreign Patents,

119 & 121 NASSAU STREET.

To Application for Patent on	$50.00
Supply of Autographic Printing & Patent Office	15.00
	$65.00

Rec'd. Payment

Lemuel W. Serrell

L. W. Serrell

$100.00

New York Apl 1 1876

Received of Thomas A. Edison Esq. One Hundred Dollars on account of Patent Business.

Lemuel W. Serrell

L. W. Serrell

Lemuel W. Serrell's
Offices for Procuring
AMERICAN & FOREIGN PATENTS,
119 and 121 NASSAU STREET,
(P. O. Box 4689.)

New York, April 11 1876

T. A. Edison Esq
Dear Sir

The funds you sent ($75) will cover the annuities on the French and Italian Patents for "Duplex", and I will send word by tomorrow's mail to have them paid.

The other payments that are due shortly are for Impt. in Electric Telegraphs, and these Mr. Reiff will attend to I believe.

Yours truly
Lemuel W. Serrell
for A H Smith

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET.

(P. O. Box 4689.) New-York, Apl. 25th 1876.

T. A. Edison Esq.

Dear Sir.

Your favor of 23d inst. is at hand. The English abstracts you refer to are now published in weekly numbers and cost to subscribers 50 shillings a year. The expense to you would be about $10. a year for the current year and about $7. for each year back to 1871. From 71 back to 67 when these abstracts were commenced, they cost about $2. per year.

These abstracts are not very reliable. You would do better to obtain the copies of specifications of the patents as they are issued.

Yours truly
Lemuel W. Serrell
L. W. S.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rates of this Company require that all messages received for transmission, shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the owners of lines entitled to receive them.

THOS. T. ECKERT, Gen'l Sup't, } WILLIAM ORTON, Pres't, } New York.
New York. GEO. H. MUNFORD, Sec'y,

Dated New York Apr 18 '76

Received at Menlo Park

To T. A. Edison

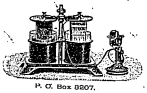
Nothing can be done until Examination is finished Friday I shall be serving Come tomorrow if necessary

Sunell

17 Calls at 39 & 35 for Collect message the other day

Get Money paid

Edison's Electrical Pen & Duplicating Press Co.

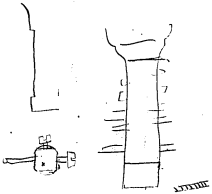


P. O. Box 3807.

41 DEY STREET,
NEW YORK.
MANUFACTORY:
MENLO PARK, N. J.

New York, 187

	Deposit		Stamped	200
French	May 6/76		July 10/76	AA2 7/29
Belgian	" 4/76		May 31/76	39,502



Berrace
Apr 1976

Lexington

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
76 CHAMBERS STREET.
(P. O. Box 4082.) New-York, May 10 1876.

Thos A Edison Esq

Dear Sir.

Sen Lippitt obtained from me the information relative to English patent; the papers were signed by you Octo 15. 1875 and were sent immediately and were deposited there October 29. and that is the date of the patent: By the provisions of the patent your complete specification did not have to be enrolled until April 29 hence you had all that time to make improvements. Your specification was duly enrolled at that time: the first specification and declaration were put in Octo. 29 as aforesaid.

If your option of 60 days was from the filing of the provisional specification

that run out Dec 29. if the 60 days was from the filing of the complete specification. that will not run out until June 29th

Mr Batchelor brought me a new model of a quadruplex, but I have not yet received your notes about the circuits or operations please send them and I will prepare the case

Yours truly

Lemuel W. Serrell

G Bruce
Wash 10.1876

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
~~119 & 121 NASSAU STREET,~~
(P. O. Box 4686.) New York, May 26th 1876.

T. A. Edison Esq.
Dear Sir.
Gen. Lefferts has put in my hands, the assignment from you to him of the English Patent on Electrical Pen. As this has to be signed before a Notary, it will be best for you to sign it when you are down here.
This assignment is to remain in my possession not to be delivered to Gen. Lefferts until he carries out his agreement with you.
Yours truly
Lemuel W. Serrell
per. McKee.

2/51.00 hand
merry WS

E. W. Serrell
June 7. 76

Lemuel W. Serrell's

OFFICES FOR PROCURING

American & Foreign Patents,

~~110 & 121 NASSAU STREET,~~

(P. O. Box 4089.)

New York, June 7th 1876

T. A. Edison Esq.

Dear Sir.

I am in receipt of notice from the Patent Office that your application No. 118 on Acoustic Telegraphs, has been put in interference with an application of E. Gray, filed Jan. 27. 1876, and one of A. G. Bell filed Mar. 10. 1875. The subject matter in interference is the combination of an electric circuit, a series of keys and a series of mechanical circuit breakers adapted to produce musical impressions or sounds of different pitch to be transmitted through said circuit. The preliminary statement must be filed by July 1st. Please let me have the particulars as to date and history of your invention as soon as possible so that your statement can be prepared.

Yours truly

Lemuel W. Serrell

per. McKee.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
~~119 & 121 NASSAU STREET,~~
(P. O. Box 4689.) New-York, June 23. 1876.

T. A. Edison Esq

Dear Sir.

The British Act is all right except you should not guarantee to defend the patent; the clause is at top of last page: You should have from Mr Gloyn a paper showing that you are relieved from any question on Clare's rights, that he Gloyn above has to carry out the arrangement with Clare so that Clare cannot come on you for not acquiring a right you know he is entitled to. —

I expect to be at my Office Monday: The Examiner of pen says your opponent has modified his claim but made is broader and unless he disclaims he cannot avoid an interference and

the consequent delay.—

Please bring & send the book about the musical circuits I want to give the full information to Patent Office.—

Milbur is not back, was expected yesterday: Your preliminary statement should go on early next week. Lead & duplex issued as per Gazette are held up under lock & key not delivered:

Yours truly

Lemuel W. Serrell

Thomas A. Edison Esq.

NEW YORK, June 28th 1870

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. } ACCURATELY PREPARED AND PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,

Solicitor of American & Foreign Patents,

119 & 121 NASSAU STREET.

	To Amount of Bill Rend. Oct. 14 1875.	$210 "
	" Application Patent Edison & Batchelor No 109	35 "
	" Patent fee, on do	15 "
	" Recording Lumen Essex Co. N.J.	3 "
	" Provisional Protection on Autographic Printer. spec 170. Premium 11.70.	81 90
Oct.	" Caveat on Autographic Perforator No 69	15 "
	" " fee " " "	10 "
	" Copies Pats. 6239 – 40 – 41 – 4578 922 75.	3 "
Nov.	" Caveat on Autographic Telegraph. No 70	15 "
	" " fee on " "	10 "
Dec.	" Reissue No 109 Edison & Batchelor	20 "
1875	To Caveat No 72.	15 "
	" " fee " "	10 "
	" Completing English Patent on Auto. Press. spec 170. Premium 211.70	214 70
1876	" Asst. to Gaillard on Autograph. Vocalized Telegraph	10 "
Mch 4	To Asst. Edison on English Patent in Blank	10 "
	" App. Jaly on Autographic Press. No 114	40 "
	" Patent fee " " " "	15 "
Apl 15	" Annuity on Quadruplex & Duplex French spec	25 "
	" " " " " Belgium "	20 "
	Premium spec.	5 85
Apl 22	" Gazette for 1876	6 "
	" French Patent on Perf. spec	130 "
	" Belgium " " " "	105 "
	Premium spec	32 "
May 6	To Abstracts of English Patents 1867 & 1876	42 50
	Premium spec	
	To Express on English Books	16 61
	" Appl. on Duplex & Quadruplex No 121	25 "
	" time & personal attention in New York and Hoboken on various telegraph. discs. correspondence &c from Oct 15/75 to date	21 "
	To preparation of Assignment on time on arrangements for sale of English Patent	~~25~~ "
		$1186.56

By Cash on Acct.	Oct. 1875	$81.90
" "	" "	50.
	Nov 13	20.
	" 27	50.
	Jany 15/76	100.
	" 29 "	214.70
	Mch 25 "	65.
	Apl 15 "	175.
	" 22. "	207.
	" "	15.
		$1038.60
		$1038.60
	Deduction Eng. asst.	25
		$1112.96

Rec'd Payment
Lemuel W. Serrell
by Edwin

New York June 29th 1876.

Mr. John Robert Brecken
Sunderland England
Dear Sir

As part of the consideration to induce you to purchase my patent as set forth in the instrument of assignment thereof bearing date this day, and in consideration thereof, I hereby agree with you your legal representatives and assigns, in case and so often as you or they shall be brought into any legal controversy respecting the validity of said patent on reasonable notice to go in person to England, if the rules of the British Court shall require my personal attendence in order that my testimony as a witness may be received in evidence and to take with me such papers relating to said patent as you or they may desire and there to remain such time and to attend in person and produce said papers in such courts or places as you or their solicitors may request, free of all expense to you or them unless such a controversy should result in awarding costs to you or them, in which case only I shall entitled to receive and of such costs if sufficient

for that purpose, or if not sufficient then only to the extent of such costs, a reasonable compensation for my time and actual necessary expenses while or occupied in reference to the controversy in which costs may be awarded, and at all proper times to furnish you or them for use in defending or protecting said patent such documents or papers relating to said patent as may be in my possession or under my control and as your or their solicitors may reasonably require. This agreement to remain in force for five years from date.

Respectfully Yours

Thos A Edison

attest

Geo H Ellis.

119 Broadway

June 29, 1876
Edison to Bucklew

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
119 & 121 NASSAU STREET,
(P. O. Box 4089.) New York, July 26 1876

T. A. Edison Esq.
Dear Sir.

In regard to the interference with Stewart on Autographic printing. I am in receipt of notice from the Patent Office that priority of invention has been decided in your favor on concession of Stewart. Twenty days are allowed for appeal. As Stewart has conceded the invention to you, he no doubt would be willing to waive the right of appeal to prevent delay.

In reply to yours of 25th inst. I have to say that August 15th is the last day of the three months which were allowed for you to file an application on claim 8 caveat 75. There is no provision for extending the time as the law does not authorize an extension.

Yours truly
Lemuel W. Serrell
per Porter.

3/8/1876 Bond
Recd 12 B

Thos. A. Edison Esq.

NEW YORK, July 26 1876

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS, RE-ISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. } ACCURATELY PREPARED AND PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,
Solicitor of American & Foreign Patents,
76 CHAMBERS STREET.

To Provisional Protection in		
Eng. on Acoustic Telegraph specn	3	70 "
To Canadian Patent on		
Autographic Pen specn	3	70 "
Premium specn		16 80
		$56 80

Recd Payment
Lemuel W. Serrell
J. Serrell

John H. Porter
Grosvenor P. Lowrey
Geo. Wales Soren
Chas. Francis Stone
George P. Hamlin.

P.O. Box 1036.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York. July 27 1876.

Thomas A. Edison, Esq.

Dear Sir:

We have had an interview with Mr. Sewell in reference to the present condition of Acoustic Telegraphs. The preliminary statements should be furnished as early as practicable, so that everything may be ready to file on Aug 20th and as Mr. Sewell is absent from the City for his vacation we should be glad to have you call upon us for the purpose of a conference as early as possible.

Have the goodness to notify us by despatch or post card when you will be here, as we wish to arrange for you to meet Mr. Soren who has been fully informed by Mr. Sewell about the cases.

Yours very truly,
Porter, Lowrey, Soren & Stone
Hutchins

Office for Patents.

119 & 121 NASSAU STREET,

New York, July 31st 1876

Dear Sir:

It affords me pleasure to inform you that on July 29th 1876 your application for a Patent on Telegraph Alarm & Signal Apparatus was duly allowed.

The Patent will be engrossed for issue on the receipt of TWENTY DOLLARS, the balance of the fee payable thereon, if received within six months.

Yours Truly,

LEMUEL W. SERRELL.

To Thos. A. Edison Esq.

New York, July 1.

T. A. Edison Esq (1876)

Dear Sir

I have a notice this morning on the Autographic Printing stating that Edward Stewart of Fort Madison Iowa filed an application May 23. 1876 that is considered to interfere with it.

Your preliminary statement, giving in full the dates of the conception, drawing experiments and actual operative apparatus must be filed before 29th inst.

Do not loose any time in sending me these particulars fully, so that we shall be in time

Your failure to give particulars on ~~auto~~ acoustic telegraph case has perhaps proved fatal. I am trying to get time for it; On this case you had better also get out your statement, so that I can have it for filing if I

L H Sergeello (Gen'l 1876)?
June 25, 1877

succeed in re-opening the case

Yours truly

Lemuel W. Serrell

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
~~110 & 121 NASSAU STREET,~~
(P. O. Box 4089.)

New York, Aug. 9th 1876

T. A. Edison Esq.
Dear Sir.

In regard to the application on the Caveat 75 the feature necessary to be shown is two or more reeds operated by the same magnet and it is shown in Fig. 8. of Caveat 75 and Fig. 9. of Caveat 73.

You had better make a model of this and write out a description so that I may get the application filed by Aug. 18th.

In regard to your application No. 117, the Patent Office insists that Gray's patent anticipates the second claim. This claim is for the reed operated by two magnets in combination with a local circuit and contact points. Gray shows magnets of different power and I amended your claim making it for magnets of nearly uniform power but the examiner will not allow it.

Yours truly
Lemuel W. Serrell
per Walker

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
~~119 & 121 NASSAU STREET,~~
(P. O. Box 4980.)

New York, Aug. 9th 1876.

T. A. Edison Esq.

Dear Sir.

Yours relating to the White dental plugger patents is at hand, and in reply I would say. The patents No. 173,619 and 174,121 show the tube, but in neither case is the tube made so as to form a rest or support, and in view of the Marey portable vibrating magnet, I do not think the patents of White can be pressed to interfere with you. Such a plaque would not be granted without careful examination by the Patent Office, at the same time we cannot prevent a reissue for whatever White may be entitled to.

Yours truly
Lemuel W. Serrell
L. Walker.

New York Sept 16. 1876

Thos A Edison Esq.

Dear Sir

Mr Reiff called upon me this morning in rel to the Patents for Electrical Pen & Press for France & Belgium

I can get you $10.000 Gold for the Patents for France & Belgium but I must have until the 1st of Nov next to work it

I will get you the money sooner if I can

If you desire me to try give me an option a reasonable number of days to Nov 1st 1877 & I will go to work immediately

Yrs Truly

Geo P Walter

This arrangement if made with me I desire should be strictly private and confidential I can work it better in that way than any other

John H. Porter,
Grosvenor P. Lowrey,
Geo. Notes Lorenz,
Ch. Francis Stone,
George F. Kunkin.

Porter, Lowrey, Lorenz & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York. Sep. 25. 1876.

P.O. Box 1836.

Thos. A. Edison, Esq.

Dear Sir:

Will you please come in and see us at once, to execute assignments of the inventions in Acoustic Cases 123 and 124? We ~~would also~~ be glad to have a conference with you in respect to the pending interference between yourself, Gray & Bell.

Yours very respy
Porter, Lowrey, Lorenz & Stone
R. Wirklaich

John H. Porter
Lawrence P. Lowrey
Rev. Miles Sorenson
Chas. Francis Stone
George L. Rankin

P.O. Box 1836

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad Street (DREXEL BUILDING.)
New York, Oct. 4. 1876.

Thomas A. Edison, Esq.
Menlo Park N.J.

Dear Sir:

We beg to refer you to our request of the 28th ult., that you would call upon us as soon as possible. The Assignments of Cases 123, 124 and 125 are ready for execution by you, and we should also be pleased to have an interview with you in respect to the Interference matters, before your Testimony is given; and will therefore be much obliged if you can make it convenient to call here tomorrow or on Friday.

Yours very truly,
Porter, Lowrey, Soren & Stone
H. W. Haigh.

Lemuel W. Serrell's
OFFICES FOR PROCURING
American & Foreign Patents,
119 & 121 NASSAU STREET,
New York, Oct. 26 1876.
(P. O. Box 4089.)

T. A. Edison Esq
Dear Sir.
Yours of 24th inst. is at hand, and in reply I have to say that the assignment of French and Belgian patents can be made as you propose and deposited with my agent, to be delivered only upon payment of the purchase money.
Yours truly
Lemuel W. Serrell
per Martin.

L. W. Serrell
Oct 23. 1876

Whereas, Letters Patent of the Kingdom of Belgium have been duly granted to me Thomas Alva Edison, of Menlo Park, State of New Jersey, United States of America, for an Improvement in Autographic Printing, which Letters Patent were granted, May 31st 1876 and are numbered 39,502.

And whereas

has purchased the entire rights in and to the said Letters Patent.

Now this Indenture Witnesseth, that for and in consideration of the sum of dollar to me in hand paid, the receipt whereof is hereby acknowledged, I have assigned and sold, and by these presents do transfer, convey and set over, unto the said

the entire, right title and interest of every character in and to the aforesaid Letters Patent; the same to

to hold and enjoyed by the said

for own use and behoof, and for the use and behoof of legal representatives, to the full end and term for which said Letters Patent are granted as fully and entirely as the same would have been held and enjoyed by me had this Assignment and sale not been made.

In Testimony Whereof, I have hereunto set my hand and affixed my seal this fourth day of November in the year one thousand eight hundred and seventy six

Sealed and delivered in the presence of

Geo. D. Walker
Geo. S. Rinckoff

Thos. A. Edison

State of New York }
County of New York } On this Fourth day of November AD. 1876, before me personally came Thomas Alva Edison to me known to be the individual described in and who executed the within assignment, and acknowledged that he executed the same for the purposes therein mentioned. As Witness my signature and notarial seal the day and year last above written.

Geo. T. Finckney
Notary Public
Kings Co.

State of New York, }
City and County of New York, } ss.

I, **WILLIAM WALSH,** CLERK of the City and County of New York; and also Clerk of the Supreme Court for the said City and County, being a Court of Record, DO HEREBY CERTIFY, That

Geo T Finckney

has filed in the Clerk's Office of the County of New York, a certified copy of his appointment as Notary Public for the County of Kings with his autograph signature, and was at the time of taking the annexed duly authorized to take the same, and that I am well acquainted with the official handwriting of said Notary Public, and verily believe that the signature to the annexed certificate is genuine

In Testimony Whereof, I have hereunto set my hand and affixed the Seal of the said Court and County, this 1876 day of

Wm H Walsh
Clerk.

Whereas, Letters Patent of the French Republic have been duly granted to me Thomas Alva Edison of Menlo Park, State of New Jersey, United States of America, for an Improvement in Autographic Printing, which Letters Patent were granted July 10th 1876 and are numbered 182,719.

And whereas

he purchased the entire rights in and to the said Letters Patent.

Now this Indenture Witnesseth, that for and in consideration of the sum of dollar to me in hand paid, the receipt whereof is hereby acknowledged, I have assigned and sold, and by these presents do transfer, convey and set over, unto the said

the entire right, title and interest of every character in and to the aforesaid Letters Patent; the same to ~~~~~~~~~~~~~~,

be held and enjoyed by the said

for own use and behoof,

and for the use and behoof of legal representatives, to the full end and term for which said Letters Patent are granted

as fully and entirely as the same would have been held and enjoyed by me had this Assignment and sale not been made.

In Testimony Whereof, I have hereunto set my hand and affixed my seal this fourth day of November in the year one thousand eight hundred and seventy six

Sealed and delivered in the presence of

Geo. D. Walker

Geo. D. Pinckney

Thos Alva Edison

State of New York }
County of New York } On this Fourth day of November A.D. 1876. before me personally came Thomas Alva Edison, to me known to be the individual described in and who executed the within assignment, and acknowledged that he executed the same for the purposes therein mentioned. As witness my signature and notarial seal the day and year last above written

Geo. T. Pinckney
Notary Public
Kings Co.

State of New York,
City and County of New York, } ss.

I, **WILLIAM WALSH**, Clerk of the City and County of New York, and also Clerk of the Supreme Court for the said City and County, being a Court of Record, DO HEREBY CERTIFY, That

Geo. T. Pinckney

has filed in the Clerk's Office of the County of New York, a certified copy of his appointment as Notary Public for the County of Kings, with his autograph signature, and was at the time of taking the annexed duly authorized to take the same, and that I am well acquainted with the hand-writing of said Notary Public, and verily believe that the signature to the annexed certificate is genuine

In Testimony Whereof, I have hereunto set my hand and affixed the Seal of the said Court and County, this 6 day of Nov 187 6

Wm Walsh Clerk.

strong since I have
been here with all
these parties, and I
am satisfied that
I shall make
some sales for you
before long.

If any of these
parties call upon you
or Mr Batchelder say
to them that I am
authorised to sell
the Patents for you
and that all arrang-
ments made through
me will be fully ful-
fill by you. Oblige
Yours &c

Geo B. Walker

Phila Nov 3/76

Thos A Edison Esq
Menlo Pk

I have
a prospect of selling in
Patents for India, for
Italy, for Spain, for
Prussia, for Netherlands
for Austria, for Russia
at least I have parties
here at work on each
of those Countries also
Norway & Sweden

I have strong parties
considering the
proposition for the
purchase of the
United States but
I guess the price will
be too high for them
I have talked up any

Office of George B. Walter.

19 BROAD STREET, ROOM 61.

New York, Nov 24th 1876

Thos A Edison
Menlo Park

Dear Sir

The commissions you offered me on the sale of the Patents for your Pen Press for the United States is not enough as I have to divide with another Cant you make it Ten instead of five Yrs

Geo B Walter

Western Union Telegraph Co.

NEW YORK, December 9th 1876

SPECIFICATIONS, MECHANICAL DRAWINGS, CAVEATS, ASSIGNMENTS. } ACCURATELY PREPARED

AND

REISSUES, REJECTED APPLICATIONS, EXTENSIONS, INTERFERENCES, etc. } PROMPTLY ATTENDED TO.

To LEMUEL W. SERRELL,

Solicitor of American & Foreign Patents,

Duplicate 76 CHAMBERS STREET.

June	24	To copy Edison's caveat for 79.	1 15
July 8		" copies of claims 50 for Sum —	2 "
"	22	" 3 drawings of Edison drawings	8 25
"	"	" copies of claims 50 for Do —	1 "
Aug	12	To Application for Patent on Acoustic Telegraph of Edison No 122.	25 "
		To copy " " " "	10 "
"	26	To Application for Patent of Edison on Acoustic Telegraph. No 124	25 "
		" copy " " "	10 "
"	"	" Application for Patent of Edison on Acoustic Telegraph No 123	25 "
		" copy " " "	5 "
		" Patent fee " " "	15 "
Sept	9	To Application for Patent of Edison on Acoustic Telegraph No 125.	25 "
		To copy " " " "	5 "
		" Patent fee " " "	15 "
		" copies of claims 50 for August.	2 50
Sept	30	" copy Preliminary statement Edison	2 50
Oct	7	" Office Copy applications for interferences	5 "
Nov		" copies of claims furnished by Office for Sept. & Oct	15 "
		" " " " for Nov.	1 00
	15	To time and personal attention at Washington & New York on Edison's Caveats in Acoustic Telegraph, consultations correspondence on Interference preliminary statements of Edison & time relative to consultations & correspondence relative to same and on telegraphic matters generally from June 24 1876 to date	249 "
			$459 75

PAID.
FEB 16 1877 BY
A. S. Porter
Treasurer

Respectfully
L. W. Serrell
Attorney

Examined
M. Wallace

John H. Porter
Lawrence B. Lowrey
Geo. Wells Sorem
Ch. Thomas Stone
George T. Hamilton

P.O. Box 1836

Porter, Lowrey, Sorem & Stone.
Attorneys & Counsellors at Law.
No 3 Broad Street (DREXEL BUILDING)

New York, December 12, 1876

Dear Sir

The papers in the Interference (Gray) cases have been prepared and approved and now await your signature. Please call at our office the first time you are in town, to execute the admissions of priority of invention, that the matter may be closed up.

Yours respt'y
Porter Lowrey Sorem & Stone
H. L. Porter

Thomas A. Edison Esq.

JAMES L. NORRIS,

Solicitor of American and Foreign Patents,

OFFICES, COR. 7TH AND F STREETS, OPP. U. S. PATENT OFFICE.

Lock Box 127.

Washington, D. C. Dec. 13, 1876.

Received of Frank L. Pope the sum of Twenty dollars ($20) in payment of the final government fee on the application of Thomas A. Edison for Improvements in Acoustic Telegraph Case 122.

James L. Norris

APPROVED: — 9

No. 10. Chas. B. Stewart Cont.

The Western Union Telegraph Company,

Co. Frank L. Pope Dr.

Date				
Dec	23	To fee final Govt. fee on T. A. Edison's Acoustic Telegraph Case 122 as per bill		20 00
				$20 00

PAID 26 1876 Dec

Received of Chas. B. Stewart subject to the notice upon the back of this voucher, Twenty Dollars in full of the above account.

New York Dec 23, 1876. Frank L. Pope

Ex No. 831

Dec 4/

1876

$20 —

Received from J. B. Van Cong
Auditor, Dept. 1878

NOTICE.

The party signing this voucher is notified to see that payment is received before or at the time of signing. If this voucher is signed without payment, it is done at signer's own risk, and the Company will not be responsible for any claim for payment thereafter.

This Agreement entered into this
day of by and by and between
Thos. A. Edison of Menlo Park, Middlesex
Co State of New Jersey party of the
first part and the Western Electric
Mfg Co of Chicago, Cook Co, State of
Illinois party of the second part
Witnessith, That whereas the said party
of the first part is in possession
of several patentable devises of great
public utility and for which he
is about to apply for letters patent
in the United States and Canada and
is also in the possession of several
other devises which cannot be patented
so as to hold in law and Whereas the
said party of the first part is
desirous of introducing such patentable
articals into the market for sale, and
also to introduce the articals not patent-
able that he may derive a profit from

the sales thereof and.
Whereas the said party of the second part are desirous of manufacturing and introdueing the said patentable and unpatentable inventions of the party of the first part to the public.
Therefore be it agreed that the said party of the second part will make and introduce for sale to the public the articles named in the accompanying schedule and agree to pay the said party of the first part 20 per cent of the gross proceeds of such sales for a period of 5 (five) years from date such payments to be made upon the articles secured or unsecured by patents.
It is further agreed that the said party of the first part will execute a proper license covering this contract to be filed in the United States Patent

office at Washington
It is further agreed that the number of articles on the schedule may be increased from time to time by Mutual consent the same coming under the provisions of this contract.
It is further agreed that the said party of the second part use due diligence and energetically endeavor to build up the trade in the articles mentioned.
This Contract is not operative in any other Country except the United States and Canada should the said party of the second part desire to discontinue the sale of any articles or Articles he may do so upon giving three months notice and turning over the trade and business already Established in such articles to the said party of the first part

It is finally agreed that the royalties are to be paid to the party of the first part on the first of each and every month the sales to be sworn to the 1st of Jany in each and every year during the continuance of this contract

1876. Railroad - Port Huron and Sarnia Railway Companies (D-76-013)

Correspondence, petitions, some by Edison; legislative acts, receipt.

All selected.

OFFICE OF

WILLIAM WASTELL,

Prescription Druggist,

South End of Bridge.

Port Huron, Mich. June 29 1876

T. A. Edison Esq

I am sorry to inform you of the condition of M R R it is worse than ever, I have done my best I have submitted to every thing imposed upon me, have saved from my stock paid my money but at last the whole thing is a miserable failure - the Consolidation is as poor off as ever - Mr Stewart stands firm against all - I am sure he owe largely increasing our debt - I paid one claim to the Sheriff 129.00 cost 49.00 and to day he has another and with mular & Perry this afternoon and I see no way of escape - if you Sir had confidence in me and Mr Pa would have believed to me we could have saved thousands of dollars - what do now is the question if I can

in any way assist you & Mr Pa
I am at your service - and only asking
honesty and thoughtful business
consideration can save us from
losing all we have in this
Mobile & RR — our affairs are
simply unbearable - it cost two
dollars to earn one

I did hope to see
a change but all the change is
for the worse

I think you will have
to come out here to do any thing
with the road and something must
done to economize expenses —

Yours Truly
W. Maclean

W Maclean
Feb 26 1876

Wm WASTELL, PREST. Wm STEWART, TREAS. Wm REDISON, SUPT.

OFFICE OF THE PORT HURON AND GRATIOT RAILWAY COMPANY.

Port Huron Mich. Aug 28 1876

Dear Bro

I telegraph you to day I see Gouldin he will give Stewart 3000.00 for his House Stewart will take no less than $35.00. Gouldin told me he would see Stewart the Old Argument that is the bonds & Mortgage on the road would be turned over to you & we would pay the Differ $500.00. I thought it best under the Circumstances but do as you think best I send you Statement of Simon Reed for our work. I will send you monthly Statements after this if you could send me Check 3014 Hinchman for the Second yard I would like it very much it would Ease up I want to get this on its feet so we can pay some Dividends never mind this d- fool writing you don't let it bother you for that is what it means what do you think of the County they wanted me to take hom is the Hon (Transl) All will

Wm E

Wm WASTELL, PREST. — Wm STEWART, TREAS. — Wm REDISON, SUP'T.

OFFICE OF PORT HURON AND GRATIOT RAILWAY COMPANY.

DETROIT LITH. CO.

Port Huron Mich. Sept 11 1876

Dear Bro

You remind Wastell informs you that the G T R R has commenced suit they did the same they paid for cows $1400.00 and at the same time the G T R R owed the St R R Co about $1000.00 on Cottage and $208.00 on Mais and I did not think back to annoy you as the difference could and has been all arranged to the satisfaction of both parties what Wastell wants is to destroy any confidence you have in me in the management of the St R R he boasted the other day that he started in to beat the Old road and by G— he would do it there will be nothing wrong or alarming happen the Road with out your knowing all about it in time so let Wastell write and send me his letter so I can keep posted on his movements he is as much of a Bummy to the

Wm WASTELL, Prest. Wm STEWART, Treas. Wm REDISON, Supt.

2

OFFICE OF

PORT HURON AND GRATIOT RAILWAY COMPANY.

Port Huron, Mich. 187

road as he ever was about Stewart
buying the $250.00 in the Sarnia road he
took it for and Rynone as he ever got
what out he supposed before the note
became due he could sell at But he
did not sell and he wanted to borrow
me to take it and then to where his
mad comes in

I see that Wastell wants
to make you believe that the road
is all a going to the devil and make
you sick. And get you to take his
Goulding offer was $1800.00 on the old
agreement Come out and so I telegraph
you out when I told him all right
he said they would give you the cents
with out interest and wanted me to
advise you to take it I told him I
would not it would only be a waste
of time and I thought you would discuss
you sick first did you get the Statement
wire

Jefferson say you said they said he would be up

(97)

AMERICAN EXPRESS COMPANY.

Sarnia 15 Sept 1876

T. A. Edison Esq

Menlo Park. N. J.

Dear Sir

Adams Prest. is confined to bed so badly at present transfer Stock. I have made enquiries about your Portrait. matter do not think those parties will come to any arrangement they are afraid of each other and each man has a poor opinion of the other's honesty. Stewart is so peculiarly constituted that is not easy to get him to talk business. He has gone completely back on your brother & says unless he will not touch anything that is connected with to such an extent does he carry this idea that he yesterday sent me five shares of Sarnia St. Ry. Stock, to sell for his account at any price no matter what that it would sell for. I told him that I could not sell at all the amount being so small and the credit of the Road

bad. however he wasted on leaving it with me Dick does not somehow seem to manage well. There are so many dunning & suing the Road makes things worse. N. B. Clark has put a six hundred dollar claim in suit Wiley of the Grand Prairie tells me they are suing for some nine hundred dollars Ticket and freight money. Chalmers heads note past due for about $300. McCaskingin note $120. R. H. McCaskingin 230.93 Do. Lewis note $50. Stewart Dickson $193.17 and about $200. for rent. So you see there are pressing debts amounting to $2500. besides monthly notes falling due to G.J.R for iron $150 and interest but I believe they are paying those latter notes as they mature out of the Earnings. When Execution issues against the Road they will demolish its credit completely. In its present condition I would not care to undertake the management of your stock. If the liabilities were paid then I would consent to accept the proxies for the purpose of seeing that the Road was managed:

(97) AMERICAN EXPRESS COMPANY.

in your interest that is. honestly and economically worked. Cowan told me that some man was trying to buy the Road If that man would offer anything near what stock cost. I would feel inclined to let him have major Clark $2000 but I do not think there is much chance and that Cowan may throw Pitts operators. You had better come on here and stay long enough to satisfy yourself how the Road ~~wants~~ really stands and what money is necessary to end its troubles If Pitts stock was paid for there would be plain sailing. I shall put Shaw at St. Huron (?) as soon as and let you know result.

Yours Truly
M. Fleming

Port Huron Sept 23d 1876

T. A. Edison Esq
Menlo Park N.J.
Dear Sir

Yours of Sept 19th at hand I have no schemes – there have been to many to make any successful – but if you wish to talk business I am ready.

There is no probability of closing any of the many bargains proposed because too many persons are interested as you are doubtless will aware before this time.

I will however make you this proposition on my own book. Take your stock, 160 shares, at 50% of its face value pay you one thousand Dollars cash the balance in seven equal annual instalments with interest annually at ten per cent – subject to all the indebtedness of the road as it now is –

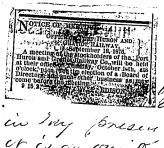
You are no doubt aware that the road sinks from two to five Dollars per day - is loaded with debts - is worn out or nearly so - and that its stock has been offered you at 40%.

This is an individual matter made without any consultation with any of the other people

For security the stock can be deposited in Bank until fully paid for.

If this is satisfactory send on the stock so that I can use it at the meeting soon to be held.

Truly Yours
John Cole


NOTICE OF MEETING.
OFFICE OF THE HUDSON AND
DELAWARE
CANAL CO.
Scranton, Pa., September 16, 1876.
A meeting of the stockholders of the Joint Stock Association of the Hudson and Delaware Canal Co. will be held at their office, in Scranton, Pa., on Tuesday, October 24th, 1876, for the election of a Board of Directors and such other business as may come before the meeting.
By order of the President.

Sept 27 1876

Dear Sir

The letter from Mr Fox was written in our office in my presence as you see that it is on one of our letter heads he wants to know who was upon the bonds for the Co one thing I can ask him I can get plenty to do it. I think if you can come to the meeting we could pass Hell with Thes & Illowes but one know what you intend I intended to such this notice in my last letter I send back letters as I see on the backs that W. Archer wants them returned

W P E

Mrs Westover
Oct 26. 76

Port Huron Oct 26. 76

J. A. Edison

Joe send this money
did not clearly understand, or had
on J. P. Barlow and asked him
he informed me he had a talk
with you in N.Y. and had
written you at length and to
cannot come - if Barlow can
be induced to take hold of this
matter he can do much towards
a speedy arrangement - you may
rely on me acting with you as
a square man, it is my wish
to do any thing to keep my
stock in G. & S. R.R. and if I am
implicated you must be if you are
I must be - I have not been well
for weeks - he and family are any
for them I supposed he was
with you or in this city there

I have heard no more about
Mount Defiance - it is all
smothered for the present —
I am sorry
the carriage of the wool, and only
pay out as ordered by Q.M.G.
our earnings are not improving
will keep you posted if any
thing turns up —
Write Sanborn
your views and let them
try and see what can be
done.
Yours Respectfully
William Baxter

Grand Trunk Railway of Canada,
General Managers Office,
Montreal 9th Novr 1876

Dear Sir,

Your letter of the 17th Octr was delivered to me when I was at Sarnia. I had hoped to have an opportunity of seeing yourself or some other of the gentlemen interested in the Port Huron & Port Sarnia R'way. Not having done so I write to say that we desire to have the rails removed out of our yard at as early a date as those controlling the affairs of the Railway can make it convenient to do that. We shall, under any circumstances require the Rails

T

to be taken up in the Spring.
as we intend then to lay down
additional tracks in the yard
and to make some alterations
in our switches which cannot
be carried out until the Street
Railway is removed.

Yours truly
J. Hickson
General Manager

H. W. Stevens Esq
Attorney &c
Port Huron
Mich.

OFFICE OF

WILLIAM WASTELL,

Prescription Druggist,

South End of Bridge.

Port Huron, Mich. Nov 18 1876

J A Gibson Esq

Yours Received I shall call upon Sanborn and do all in my power to get something done as you say you have given him a proposition, the amount of money secured from all people owing in Mich. Sep was $68 45 some which have proved bad debts but no money have been paid to me as yet the last month or two I forgot this summer when Boots shop sale notify you of any thing occurs

William Wastell

W. P. EDISON, Superintendent.

OFFICE OF THE

Sarnia Street Railway Company

Sarnia, Ont., Dec 4th 1876

Do. Bro

Our Sister came off last night I send you copy of Each the McStewart's claim is lessed on our lots which we will give us 15 months time at 7 p. cent which which is less interest than we could get the money for so that deposes of No 1 the next claim is Guy Hubbard I fixed with him this day I paid him $50.00 down and am to pay $25.00 a week until it is Paid so that gives No 2 for I can pay it out of the Earnings of the road the McHarrington Judment is what we owed the Earnings I send I see him Saturday Eve to M. McMorrow the Dis Pres of the Bank they will give 6 months on their and so that will arrange No 3 we have been sued on 4 small acts last week which I will fix in a Story for 5 months the note at the first that Barnum Mr Barnum told me to pay $10.00 or $15.00 Each month on the principal and the interest all would be right so you see with this to take Close off and to look to this & the Dorma Roads and to watch the Opposition you may imagine I have something to do although they write that I do not attend to business so you see something must be done within the next 3 or 4 months and in my opinion one of the following first to see out if possible second to buy out if possible third to lease the new road or to lease our road to them or we can agree which I think would be the best to save money if possible and buy up all the notes and claims of the old road and force the payment as soon as possible bid it and build around to Protect & go for them if needs about 4000.00

popu- ...unity among a large c... who pay it very little attention.

THE CIRCUIT COURT.

Proceedings of the November Term.

The Circuit Court commenced its session on Tuesday with a large docket comprising 12 criminal cases, 42 issues of fact for trial by jury, 57 issues of fact for trial by court, 6 impearlances, 13 chancery cases. Of the criminal cases one is for murder, two for assault with intent to murder, one for rape, one for conspiracy to obtain property by false pretenses (the insurance case), one for perjury, one for pocket-picking, one for obtaining goods under false pretenses, two for larceny, one for bastardy, and one for cruelly over-driving a horse.

The following are the proceedings:

TUESDAY, NOV. 22ND, 1870.

Wm. R. Lake vs Levi B. Robbins and Lucinda A. Robbins. Continued by plaintiff.

James Jackson vs D. J. Stewart. Continued by defendants.

Isabella Graham vs Wm. Graham. Continued by consent.

Elisha S. Gleason vs Hiram Mills. Continued by defendant.

Wm. Stewart & Co. vs Jacob Sicken. Continued by defendant.

Henry Carroll vs Henry Stodart, trespass. Plea to be filed.

Jacob Friedman vs J. W. Babcock. Security to be filed or case dismissed.

Wm. Stewart & Co. vs Joseph Wood. Assumpsit. Plea withdrawn.

Lucy E. Smith vs John Lawler. Notice for security for costs denied without cost.

N. & B. Mills vs P. & C. Muller. Continued by defendants.

The People vs Jeremiah Johnson. Tar-comp. Arraigned and pleaded not guilty.

The People vs Wm. Williamson. Putting obstructions on railroad. Head not guilty.

American B. H. & O. S. Sewing Machine Co. vs James Logan. Assumpsit. Continued.

The People vs John S. Powisk. Obtaining goods by false pretenses. Pleaded not guilty.

Edward Hall vs Morse Hart. Continued by plaintiff.

James Gale, marshal, made his return of jurors in the Gillett street opening matter.

The People vs Wm. Brick, Albert Staley, and Howard Bristol. Continued and trial resumed.

The People vs Stephen Hubbell. Nolle prosequi entered.

Warren Tremaine vs Wm. B. Morley. Continued by consent

Peter Collins vs D. J. Stewart. Cause reinstated.

WEDNESDAY, NOV. 23RD.

G. F. Harrington vs the Port Huron & Grattot Railway Co., Wm. Wastell and Wm. P. Edison. Assumpsit.

Wm. Comer vs Geo. Spinks. Continued by defendant.

Gillett Street Opening Matter. Jury sworn.

Y. A. Sparkman vs P. W. Packard vs B. F. Green. Continued by consent.

Fred. A. Beard vs Julia S. Atkins. Continued by defendant.

Gabriel S. Holbert vs Sarah Canan, et al. Continued by defendant.

H. I. Dickinson vs John Stillson. Non suit.

Wm. Stewart & Co. vs the Port Huron & Grattot Railway Co. Assumpsit. Judgment for $1,145.71. Plea withdrawn.

First National Bank of Port Huron vs N. S. Boynton and Cyrus Miles. Tried by court. Judgment for plaintiff $293.39, costs to defendant.

Wm. Stewart et al. vs Joseph Wood. Judgment for plaintiff, $293.77.

Guy Kimball vs The Port Huron & Grattot Street Railway Co. Judgment for plaintiff, $206.67.

Wm. Robertson and Daniel Ryan vs Amos James and Francis D. Welcome. Plea withdrawn.

First National Bank of Port Huron vs John G. Taylor et al. Plea withdrawn.

James Marsaw vs Margaret Marsaw. Divorce. Decree granted.

The People vs Frank Morelli. Arraigned for larceny and pleaded guilty.

The People vs James Marks. Arraigned for murder and pleaded guilty.

Aretas Bonch, appellee, vs Charles McMillan, appellant. Tried by court and submitted.

FRIDAY, DECEMBER 1.

Charles F. Harrington vs The Port Huron & Grattot Railway Company, Wm. Wastell and W. P. Edison. Judgment for plaintiff for $276.05.

Herman W. Stevens vs John Stillson and Henry McMorran. Trial in progress.

John H. Miller, Appeal. Appellant allowed 10 days to file declaration, and appellee 10 days after to file plea.

John Mitchell, from Canada, and John Maus from Germany, were admitted to citizenship.

The business of Algonac is within one of being very prosperous—only waiting for Tilden to get his door,

---

to bring this points to time if you could come out here with 4000 you would fix this thing up in some way in less than 48 hours

W P Edison
Alpena, 1876

Portsmouth Dec 6th 1876

Dear Bro

Harrington will do nothing and is going to levy on our sloops which gives us only ten days to pay in now if it possible for you to raise $600 and I will buy it in or pay the claim as you think best I think to buy it in the best than you will own it yourself answer as soon as you get this as the time is short but would rather you would come here for I think some trade would be made with the new road I suppose you got my letter before this

all well

W P C

ADAMS EXPRESS COMPANY,

GREAT EASTERN, WESTERN AND SOUTHERN EXPRESS FORWARDERS.

No. 164 $600

New York, Dec 11 1876

Received from W H Adam

Mr L Kendrick Pella, Sealed and said to contain

Address W R Adam Pt Huron Mich

Upon the special acceptance and agreement that this Company is to forward the same to its agent nearest or most convenient to destination only, or to deliver the same to other parties to complete the transportation—with delivery on terminus all liability of the Company for such packages and articles that this Company may not be liable in any manner, or to any extent for any loss or damage by accidents, fire, or other casualties, or of a public character, or by the act of God, or by any person or persons acting or claiming to act in any civil, military, or other capacity in hostility to the government of the United States, or occasioned by civil or military authority, or by the acts of any army or other military or religious assemblage, place or the dangers incident to a time of war, or by the acts of railroad transportation, or across or over a greater water than the above mentioned, nor shall it be liable for any such loss unless the claim be made in writing, at this office, within thirty days from the time when the same to which this receipt shall be answered, and the shipper and consignee severally do hereby agree that all the stipulations and conditions in this receipt contained shall extend to, and ensure to the benefit of, each and every Company, or other person that the Adams Express Company may entrust or deliver the above-described property for transportation, and also agree and limit the liability thereof or such other Company or person.

For the Company

Freight,

Insured by ADAMS EXPRESS COMPANY,

for

to

Insurance, $ only.

For the Company,

Dr Bro

Dec 12 1876

your telegram rec'd and was glad to get it I will have a notice for that and also the posts and send it to you I think the new road men are about making you a offer I see them with a paper yesterday but don't go in a hurry for they are getting weak every day don't trade without securing the little piece of land next to the town and that can be made for if they had the power they would make it hot for us

did you get a Printer Clement sent his card for you & tell as his boy could not use it how is Charley I hope he is a good boy all well

WPL

Dear Son Port Huron Dec 27 1876

I write hand. Note soon will have a meeting of Directors to orde it than the Sow & Prestman a right to make in the new road Chaps have some kind of a proposition to make you I understood they Call both roads Even including real Estate we have 11 Cons. and two Horses they have two double Foor Cars and three horses they are hiring three horses (big thing) I would not make any Profit to them but come out here and you can make a trade in one day it would be to your advantage to do so and ~~[illegible]~~ loss

a good many dollars in your
pocket they are need hot for
to do something right away
dont take any STOCK in now
for I know he has all to say
about the new road and
when he says tracks it will go
Cole has given up the Management
dont forget the little piece of
land and the (ranch Sonora)
all well will send you statement
third of Jan I suppose you
get them we quiton how to
shot Agustino)

W P S

W P Stevens
Aug 27 1896

Joseph Hickson
Montreal

Parties inimical to the interest of of the old street RR between the Ft Gratiot & Port Huron have been scheming ~~to [illegible]~~ to have you to expect us from the Yard at that point. From motives of spite ~~they~~ and with hopes that they might succeed in ruining the old road ~~[illegible]~~ through the GTR by getting ~~[illegible]~~; they have built & cheap struggling Road running in competition with the old one, My brother Wm P Edison was the pioneer of that road as well as the one running from Pt Edward to Sarnia ~~with~~ and has worked many years, with no yet profit, and the rumors set afloat by the parties above mentioned

Yr ob Servant
Jos Hickson

of ejectment, etc are a source of annoyance to him fear & expense; ~~would it be~~ ~~you please inform me if would~~ ~~you please inform me~~ The Road from Point Edwards, to Sarnia has ~~an agreement~~ right of way, with cattle guards, through the Co's grounds for a period of 10 years, which is signed by yourself If it ~~would~~ not be detrimental to the interest of your Co. would you sign a similar right of way, if granted to you ~~without your~~ for the road on the other side of the river.

Yours
Thos. A. Edison

New York.

Joseph Hickson Dec 1876

General Manager

G.T.R

Parties inimical to the interest of the old street railway between Port Gratiot and Port Huron have been scheming to have your company eject the road from the yard at that point,

From motives of spite against my brother and with hopes that they might succeed in ruining the old road through the G.T.R by ejectment they have built a cheap and straggling road to run in competition with it. My brother Wm P Edison was the pioneer of the old road as well as the one running from Point Edwards to Sarnia, and has worked in harmony with the G.T.R Co's representatives for many years, and as yet without profit on either road. The rumors set afloat

By the parties above mentioned of ejectment etc. are a course of constant fear and expense.
The road from Pt Edwards to Darnia has a right of way (with certain restrictions) through the Co grounds for a period of 10 years, signed by yourself.
If not detrimental to the interest of your Co would you sign a similar right of way through the yard on the other side of the river

Yours Respy
Thos, A, Edison

41 Dey St
New York

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The rules of this Company require that all messages received for transmission, shall be written on the message blanks of the Company, and subject to the conditions "and therein, which conditions have been agreed to by the sender of the following message.

WILLIAM ORTON, Pres't. | NEW YORK.
A. B. SHEWER, Sec'y.

Dated Port Huron March 29 1876

Received at Menlo Park NJ

To T A Edison

Will start for Menlo Park in the morning

Yours Edison

7 collect

[INCOMPLETE]

for all the little you have been [illegible] how [illegible] to [illegible] you of (1376) your Stock and get it for a song and so that you will not put any more money in to the road now with the Entire debt in your hands and drawing interest at 10 [illegible] so we would [illegible] make a [illegible] any 30 days (for the road can make a little money under any Circumstances and can pay the interest on our Entire debt at ten per cent than all we did make would go to you in this way I think in a short time you would at least own the whole road for there is no one here that would invest a dollar in St R.R. Except the new road men and thay are in a muddle among themselves thay are a bad party to harmonise but to do any thing at all it is nessisary for you to Come here and if you could bring about [illegible] with you I think it would make a differance with you of 5000. in a deal with them for than thay would see that it was imposable to bust up the road for unless thay can thay are gon in this Event I think we could buy them out at our own price and on long time ~~for~~ and I think with one road here in this hard times we Could Clear 6000 a year

[INCOMPLETE]

but as long as there is any hope for them to Guy ~~them~~ you and the two roads will run for they are living on hope and nothing Else now, but as long as you correspond with Washie Sawber or any one of them it gives them hope ~~for I think~~ and they keep hanging away thinking that you will Surrender in time or no more at present

we are all love & Mary & the babies here is cheerly

Will Cooper

Just received
Headquarters of
Lemuel Roark

will send yes
the rest of the
letters in the
morning

(1882)

Your petitioner Thomas A Edison of Menlo Park Middlesex County in the state of New Jersey petitions and recites.

That he is the owner of the majority of the capital stock of the Port Huron and Gratiot RR Company a corporation whose line of road extends from the depot of the Chicago Lake Huron Railway in the city of Port Huron to the depot of the Grand Trunk Railway Company partly on the lands of the United States known as the Port Gratiot Military reservation and that the said railway in which your petitioner is interested was granted a right of way over the said Military Reservation by an act of congress. passed January 31 1866. and is as follows,

"That the Secretary of war be, and is hereby authorized to Grant to Gueson & Williams of the city of Detroit in the state of Michigan and his associates, the use of so much of the Military reserve on the St Clair river, in the state of Michigan, known as the sight of Fort Gratiot as is necessary for extending a horse rail road from Port Huron City to the depot of the

Port Huron and Detroit Rail road at such rental and upon such terms and conditions as to him may seem proper, reserving to the United States however the right of removing the rails, ties and other parts of said road, whenever the Secretary of War shall direct, without any claim or right for damages, on the part of the said Williams and associates or their legal representatives,"

And your petitioner represents that the said road was constructed about the same time that such act was passed and has been in operation ever since, and that it has been of great public benefit and a convenience to the Garrison at Fort Gratiot,

And your petitioner represents, that ~~some time since~~ in 1870 certain persons inimical to the road of which your petitioner is a stockholder entered into a conspiracy with certain officers of the Grand Trunk RR (which acquired the franchises of the said Port Huron and Detroit RR Co.) for the purposes of injuring

and the said railroad and rendering its property valueless. viz. by causing it to be represented falsely to the executive officers of the Grand Trunk RR that the removal of the track of the Great Railway was necessary to allow of the laying of more tracks, whereas in fact the Grand Trunk RR. did not need such tracks and have not since built them, ~~or require~~

And your petitioner asserts that such unlawful conspiracy was carried out insofar that by false representations the Executive officers of the Grand Trunk RR, who your petitioner believes having no knowledge of the subject were induced to give an order to eject us from the yard and tear up our tracks, which order was carried out to the great injury of your petitioners property and to the inconvenience of the public.

And your petitioner further represents that the commandant of the Garrison at Fort Gratiot being cognizant of such unlawful conspiracy represented to Genl

Cook commander of _____
the fort in the case whereupon he issued an order to have the track relaid which was done under military protection and has not since been molested —

And your petitioner further represents that in fear of future conspiracies the officers of your petitioner from the day of war sought and procured another right of way through the said Military reservation which is shown upon the map hereto annexed the route being marked by red lines, and described in the contract, also hereto annexed, but on its reception it was found that its ~~[illegible]~~ use was solely dependant upon ~~the officers of~~ receiving a permission to cross a small strip of land from the Grand Trunk RR. ~~the~~ right of way through which was granted by act of Congress Feby. 8. 1859 and ~~[illegible]~~ is hereto annexed, which land your

petition assents and represents has never been used by the said Railroad for Railway purposes or any other purpose ~~a period of 17 years~~, but nevertheless the said Railway will not grant permission to the street RR to cross the land thus rendering its ~~formal~~ granted by the Congress right of no value whatever.

And Your petitioner further represents that owing to the configurations of the land your petitioner road cannot reach the Depot of the Grand Trunk RR without being allowed to keep its track in the yard of the said Railway or is granted permission to cross the strip of land above mentioned except at so large an expense that it will work ruin to the property of your petitioner;

And your petitioners further represents ~~that~~ ~~that he has been shown a map drawn up by the Engineers of the Grand Trunk RR Co. and believes that the~~ that

a large portion of the land upon which the Port Huron & Detroit RR. were granted right of way, and occupancy for Railroad purposes by act of Congress has not been used for such purpose but is coved with dwelling houses,

And your petitioner asserts and believes that the Grand Trunk RR has applied or is about to apply to the Secretary of War under such act for more land which it requests is necessary for its business, a portion of which land ~~which~~ thus sought to be acquired is the land over which your petitioners road has a right of way ~~quasi~~ as heretofore recited,

And your petitioner asks in justice and Equity that in any arrangement contract or understanding hereafter to be made between the Grand Trunk Railway and the Government that the rights of your petitioner shall be respected, and become a part of such Contract between right of way arrangement or understanding

but which you pelham below
is not the fact. but on the contrary
that it is the an allegation that
as a foreign corporation is
acquiring a large and valuable
property for a nominal consideration
to the end that a monopoly of
a natural advantage may be
enjoyed by it forever to the exclusion
of the citizens of the United States.

G.J.R. bill passed Feby 8 1859. This bill ammended Feby 25 1867.
amending it so as to allow "wood" or fire proof" buildings than
defeating the original act.

Act granting Street RR Charter Jany 31 1866.

Act That the Secretary of war be and he is hereby "ch" its in con St RR
Contract.

(1876-7)

Your Petitioner Thomas A Edison of Menlo Park, Middlesex county, in the state of New Jersey, petitions and recites

That he is the owner of a large interest in the Port Huron and Gratiot Railway company, of Port Huron in the state of Michigan, a corporation whose line of road extends from the depot of the Port Huron and Lake Michigan Railway in the city of Port Huron to the depot of the Grand Trunk Railway of Canada, partly on the lands of the United States known as the Port Gratiot Military Reserve, and that the said railway in which your petitioner is a large owner was granted a right of way over the said Military reserve by an act of Congress, passed January 31st 1866 as follows:—

" That the Secretary of War be, and is hereby authorized to grant to Guerdon O Williams of the city of Detroit in the state of Michigan, and his associates, the use of so much of the Military reserve on the St Clair river, in the state of Michigan

known as the right of Fort Gratiot as is necessary for extending a horse rail road from Port Huron city to the depot of the Port Huron and Detroit Railroad at such rental and upon such terms and conditions as to him may seem proper, reserving to the United States however the right of removing the rails, ties, and other parts of said road, whenever the Secretary of war shall direct, without any claim or right for damages on the part of said Williams and associates or their legal representatives"

And your petitioner represents that the said Horse Railway was constructed soon after said act was passed and has been in operation ever since, and that it has been of great public benefit, and a convenience to the garrison at Port Gratiot.

And your petitioner represents and asserts that some time in 1874 certain persons inimical to the interest of the road of which your petitioner is a large owner, entered into a conspiracy with certain officers of the Grand Trunk Railway company (operating under the acquired franchises of the Port Huron and

Detroit Railway Co) for the purpose of injuring the Horse Railway, and rendering its rights and property valueless, by causing it to be represented falsely to the executive officers of the Grand Trunk Railway Company that the removal of the track of the horse railway was necessary to allow the said Grand Trunk Railway to lay more tracks, whereas they did not in fact need such tracks and have not since built them.

And your petitioner asserts that such unlawful conspiracy was carried out, in so far, that by false representations to the executive officers of the said Grand Trunk Railway, whom your petitioner believes had no knowledge of the subject they were induced to give an order for the immediate removal of the track of the horse railway from the depot grounds, which order was carried out to the great injury of your petitioner and to the inconvenience of the public.

And your petitioner further represents and asserts that the commandant of the garrison of Port Gratiot being

cognizant of such unlawful conspiracy, did represent to his superior officer the facts in the case, whereupon an order was issued to have the track of the horse railway relaid, and such track was relaid under Military protection, and has not since been molested

And your petitioner further represents and asserts that in fear of further and future conspiracies between the minor officers of the said Grand Trunk Railway and persons hostile to the interests of your petitioners ~~[illegible]~~ the officers of the horse railway sought and procured from the Secretary of War another right of way through the said Military reservation, which right of way is shewn in the map hereto annexed, the route being marked by a red line, and is described in a contract a copy of which is also hereto annexed. but upon the reception of such contract it was found that the use of such right of way was dependent upon receiving permission to cross a

narrow strip of land, the right of way through it being held by the Grand Trunk Railway Co, by an act of Congress passed Feby 8 1859. which act is hereto annexed.

And your petitioner asserts and represents that this narrow strip of land has never been used and is not now used by the railway Company for railway purposes or any other purpose, except a fraction thereof for its track, but nevertheless the said Railway will not grant permission to the horse railway to cross this land thus rendering its rights granted by congress of no value whatever,

And your petitioner further asserts and represents, that owing to the configuration of of such military reservation your petitioners road cannot reach the depôt of the Grand Trunk Railway Company without it is allowed to keep its track in the yard of said railway, or is granted permission by said railway to cross the narrow strip of land aforesaid except at so great an expense as to

work ruin to the property of your petitioner

And your petitioner asserts and represents that a large portion of the land granted to the Port Huron and Detroit Railway Co. for railroad purposes by act of Congress has not been and is not now used for such purpose, but built thereon dwelling houses, which evade taxation.

And your petioner further recites and believes that the Grand Trunk Railway Co has applied, or is about to apply to the Secretary of war under the original act of congress for more land, which it represents is necessary for its business, but which your petitioner believes is not the fact, but on the contrary that it is an attempt on the part of a foreign corporation to acquire a large and valuable property for a nominal consideration to the end that the monopoly of a natural advantage may be enjoyed by it forever, to the exclusion of citizens of the United States,

Your petitioner therefore petitions and asks in justice and equity that in any contract, lease, grant, right of way or understanding sought and obtained by the Grand Trunk Railway from the Government of the United States ~~which shall prejudicially effect~~ that the rights of your petitioner, ~~that~~ shall be protected and that they form a part of such contract

Your petitioner therefore petitions and asks in justice and equity that the rights of the railway of which your petitioner is a large owner shall be protected and recognized in any contract, lease, grant, rights of way or understanding sought and acquired by the said Grand Trunk Railway from the Government of the United States, and that your petitioners road shall be a party to the same.

An Act granting the right of way over, and depot grounds on the Military Reserve at Fort Gratiot in the State of Michigan, for Railroad purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress Assembled That the right of way through and the privilege of constructing depots and workshops on the public lands of the United States lying in the County of St Clair, State of Michigan, commonly called the Fort Gratiot Military Reservation, be and the same is hereby granted to any railroad Company or Companies which may construct a Railroad or Railroads from the City of Detroit or any other place in said State to or near the village of Fort Huron in said State, Provided, That in the opinion of the President of the United States such grant or grants be not injurious

to the purposes of public defence and that the location of said building on any such roads or roads as to position and width through said reservation and the price of the lands to be so occupied, being first determined by the Secretary of War, be approved by the President;

And Provided further, That if the price of such grant or grants be not paid within thirty days after the approval of the President or if either of said roads shall not be completed within three years, or if at any time after its completion it shall be discontinued, the grant shall cease and determine as to such roads;

And Provided further: That all the buildings to be erected upon said reservation shall be of wood and if at any time it shall be deemed expedient by the commanding officer of Fort Shaftor or by any other higher military authority, to destroy such buildings by fire or other-

0 1 1 0 9

wise no claimes shall be made against the United States for damages.

Approved Feby 8. 1859

To all to whom these presents shall come,

Greeting:

By a joint resolution of Congress, authorizing the Secretary of War to grant the use of a portion of the Mobridge Reservation on St. Croix River, in the State of Minnesota, for Rail Road purposes approved January 21st 1866, it was resolved,

"That the Secretary of War be, and he is hereby authorized to grant to Benedict & Williams, of the City of Detroit, in the State of Michigan and their associates, the use of so much of the Mobridge reservation on the St. Croix River, in the State of Minnesota, known, in the acts of Fort Snelling, as is necessary for constructing a horse rail road from Fort Hamilton City, to the depot of the Fort Hamilton and Detroit Rail Road, at such rental and upon such terms and conditions as to him may seem proper, reserving to the United States hereunto the right of removing the rails, ties and other parts of said Road whenever the Secretary of War should deem it, without any claim or right for damages on the part of the said Williams and associates or their legal representatives."

Now therefore, this Indenture witnesseth that S. Patrick Co. Stockton, Secretary of War of the United States of America, by virtue of the resolution aforesaid and in consideration of the premises, for and in behalf of the

Municipal Police of Ancoridon, do hereby grant to Theodore O Williams and his associates the sole of that portion of the middle Street aforesaid described as follows, to wit:

Commencing on the northeastern of the Southerly line of the middle street running with the southeastern of the middle line of Hanover Avenue as called on the Plan of Port Hanover and commencing down said point North 3° 24' 30" West. Twelve hundred and twenty one feet (1221 ft) thence North 30° 54' West. Twenty two hundred and five feet (2205 ft) thence North 16° 23' West parallel with the inner line of the Canada Tannery Road, Bonaventure County. Nine hundred and seventy feet (970 ft) to northeast the Southerly line of said Road commencing through said Bonaventure, said seventy feet on easter side of said line above described, as shown on the sketch hereunto annexed, to be used for the benefit of a New Road as aforesaid and for no other purpose.

The Municipal Police hereby, reserving the right of removing the earth, tree and other parts of the said road extension the Southern of New street direct northwest any claims to right for damages on the part of the said Williams and associates or their legal representatives.

Road and specifications of the above mentioned grant the said Theodore O Williams and his associates, do for themselves their legal representatives or assigns, hereby agree to pay to such officer or agent of the Municipal Police as may be designated by the Southern of New to receive the same, a yearly rental of Fifty dollars (1850). Annual removing of the Municipal Police, and agree further to pay such rental on the time and place fixed by the Southern of New. The above grant to become void and void.

Sworn witness attest I have hereunto set my hand and official seal on the 6th of Washington this twelfth day of August in the year of our Lord. One thousand eight hundred and seventy one.

officer or agent of the United States in order to encourage and by the Secretary of War to receive the annual, or yearly rental of twenty dollars (#20). Annual income of the United States, and upon failure to pay such rental on the time and place fixed by the Secretary of War the cause given to become null and void.

In witness whereof I have hereunto set my hand and official seal at the City of Washington this twelfth day of August in the year of our Lord. One thousand eight hundred and seventy six.

Signed Benjamin M. Stanton
Secretary of War

Seal:

War Department
Washington City D.C.
March 13th 1874

I hereby certify that the above is a true copy of the original grant.

In witness whereof I hereunto set my hand and caused the seal of the War Department to be affixed this thirteenth day of March A.D. 1874

W.W. Belknap
Secretary of War

Know all men by these presents,

That, whereas by deed dated the sixth day of August 1866 (of which the foregoing is a true copy) the Secretary of War, in pursuance of a Joint Resolution of Congress, approved January 31, 1866, granted to Guerdon C. Williams, and his associates, the use of so much of the Military Reserve, on the Saint Clair River, in the State of Michigan, known as the site of Fort Gratiot, as was then necessary for extending a horse railroad from Port Huron City to the depot of the Port Huron and Detroit Railroad:

And whereas it has become necessary for the same purpose, to extend the Port Huron and Gratiot Street Railroad, for the benefit of which the aforesaid grant was made, to the Northern boundary of the said Military Reserve:

Now therefore, I, William W. Belknap, Secretary of War for the United States of America,

by virtue of the aforesaid and

Recorded.

Now therefore, I, William W. Belknap, Secretary of War for the United States of America,

by virtue of the aforesaid resolution, do hereby authorize the Port Huron and Gratiot Street Railroad Company to extend the track of their railroad from the present termination of the same as fixed in the aforesaid grant at the intersection of said track with the Grand Trunk Railway, thence in a Northerly direction along a line which would be a prolongation of the middle line of Saint Clair Street in the City of Port Huron about fifteen hundred feet to the Northern boundary line of the present Military Reserve at Fort Gratiot, in accordance with lines drawn in red ink upon the annexed copy of a map of the survey of the subdivision of the Fort Gratiot Military Reservation, made by Major O. M. Poe of the United States Army.

Said extension to be made on the same terms and conditions as if it had been contained in the original grant, with the further proviso, that the Port Huron and Gratiot Street Railroad Company shall obtain from the Grand Trunk Railway any right of way which may

be wanted by said Street Railroad Company over the lands granted to the use of the said Grand Trunk Railroad Company; and shall give the United States free, and full right of way over, any bridge which said Street Railroad Company may build from bank to bank of the cut through which the present track or tracks of the said Grand Trunk Railway are laid.

In witness whereof I have hereunto set my hand and official seal at the City of Washington the fourteenth day of March in the year our Lord one thousand eight hundred and seventy four.

Wm. W. Belknap
Secy. of War

1876. Telegraph - General (D-76-014)

Correspondence, memoranda, some by Edison; essays.

All selected.

Wa 2-8-76

Dolson

Yours rec'd. O.K. I am going to Lonea show Saturday night & will then return your pictures. Do you want any of mine for your show!

I am sorry you are not mine in "spirit" as you say you are not. I hope you are not any thanks man, but I hear the gloating of your bitterest enemy that he has almost got you in his toils! I see & feel his heel grinding those who he thinks have befriended you against him. His hope is to strangle in its infancy the only rival he has had, he expects to use you to do it or rather to aid him in so doing & then you have no one to buy your inventions or improvements but himself. It is possible he may succeed. I have worked a long while to try & convert your work into money. but it is useless to continue giving advice that

is never taken except with some amendment which impairs & destroys its value — Mr. Raiff ought to have realized long ago it not my fault it has not been done, & instead of drawing nearer to the desired end you are drifting farther & farther away — It is all very nice forgetting to sacrifice the present, for the unknown future, to grope in the dark instead of making sure of what is within your reach, but it is infernally monotonous — Mr Raiff is too good a fellow to be willing wandering up an unknown mountain to come down some day like Rip Van Winkle & find his creditors dead, his friends scattered, & the best part of his life worse than slept away — But such is life —

I never saw my letter to American printer — How gaudily he puts it with death beat singers and dance panel — come down & die pie you a show as is a show! I have a full set of Yosemite & across the Continent.

J. M. Bannister

C. M. Palmer

ALEXANDER L. HAYES,
SOLICITOR OF PATENTS.

17 PEMBERTON SQUARE,

Boston, March 31st 1876

T. A. Edison Esq.
Newark N.J.

Dear Sir:

In the year 1869 when you were associated in business with Mr George L. Anders I understand that he talked with you about the construction of a printing telegraph apparatus in which a sensitive disc would be used for automatically sensing the currents so as to operate the printing

magneto operating the lifter wheel
thereof - and showed you drawings
of this plan. Another party
has recently claimed this as
his invention - and the question
is now pending before the
Patent Office. Mr Anders has
not preserved his sketches, perhaps
you may have memory of the
~~facts~~ and will be willing
to give a deposition as to these
conversations with Mr Anders
and the nature of the drawings
and sketches that he then
made. or you as relates to
the automobile assessal of the
current by means of a sunflower
Can you spare the

ALEXANDER L. HAYES,
SOLICITOR OF PATENTS.

17 PEMBERTON SQUARE,

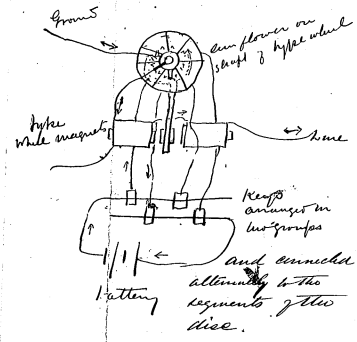
Boston, ... 187

have to write me, as to your memory of these conversations. You would be a valuable witness for Anderson - if you can state that this method was explained to you when you were here. If I take your deposition you will be put to no inconvenience nor expense.

I am Mr Anderson's attorney in this matter.

Yours truly,
Alex L Hayes

P.S. I have made a sketch on the other side which may refresh your memory.
Please reply at once —



Stanley Electric Co.

30 Hanover St
Boston April 18
1896

T. A. Edison Esq
Dear Sir,

Mr Anderson received your letter today and requests me to write you, his wife having called for him to go home with her — He would like to get your deposition respecting the Automatic double magnet receiver and we have notified the other party ~~that~~ to appear next Friday at 10 o'clock A.M. at the office of Chas. F. Wel[illegible], 20 Hanover Street, Room 52, and wish you would be there to testify what you know about the matter — If no one is ready for you to be there please notify C. F. Wel[illegible] before that day at what hour you will be present and he will inform the person who is there that will accommodate you — We would like to take the deposition that day as the other side has been notified and we shall have some person present

Respectfully
C. H. Welch

Andrew Carnegie

33

N.Y. April. 8/76

My dear Edison

Eckert from
some source knows I am going.
Whilst I am absent he & Jones
will renew their attempts to get
you away from me.
With Mr signature which is finally
necessary although we can more
without him now, we can of
course secure something - now
this only desire & hope to get
you to yield & my ruin they think
will be complete -
The domestic money will send you
present needs. You will hear from
me in 14 days. The pen is in good
shape, so that prohibiting you here

ample resources, & for instance
you need are mine —
My London trip of course is for
our mutual good. Hence I simply
rely on your promise made in
which I have implicit faith,
that you will do nothing in
automatic a Quadruplicate to
complicate until I return
I cannot finally lose. Because
they assume you, they are anything
to care for you, hence you have
a sure thing anyhow —
I further rely upon when I return
to carry out your promise about
my continued interest in the future
as a means of indemnity for the past
& our mutual interest hereafter.
You told me mar. Good faith needed
no written contracts — Yours
J C Ryff

J C Ryff
Oct 27 1919

52 Broadway Room 15
New York 10th Apl. 1878

To the Commissioner of Patents.

Sir

T. A. Edison's Inventions in Quadruplex Telegraphy

On behalf of Mr Edison and the parties interested with him in the above mentioned Quadruplex patents I desire to know the validity of the proposed action of the Patent office in relation thereto. I beg leave to offer for your consideration the following suggestions as to obtaining a judicial decision for the guidance of the Patent office. all action in reference to the issue of the patents being suspended in the meantime.

We propose to file a new application by Mr Edison for a Patent on an amended specification containing the substance of one or more of the specifications dated 19 Augt. 1874 and filed on or about 8 Sept 1874 the application on which Letters were granted by Mr Edison.

Upon the rejection of this new application on the ground that it embraces an invention for which the former application was made and which you consider to be now pending

We will appeal to the Supreme Court D.C.

And that Court will upon the appeal decide the following questions –

1. Can the Commissioner proceed upon an application for a Patent which has been withdrawn by the applicant for the Patent (the Inventor) in a case where there has been a partial assignment of the invention, an assignment of a share thereof, such assignment being qualified and conditional in its terms so as not to vest the assignee with power to dispose of or otherwise deal with such share.

2. Can the Commissioner on the demand of such an assignee of a qualified interest in the Invention issue a Patent in the joint names of such assignee and the Inventor when the latter protests against such issue.

3. Is the so called assignment of 19 August 1874 to Prescott followed to the prior assignment to Harrington dated 4 April 1874 – in the Commissioner's right in holding that an assignment of an invention prior to such invention being made is void

Jefferson clear an assignment made afterwards but before Patent issued.

The authority referred to by the commissioner is Mr Pleasants letter to Wilson M. Cole & others.

See Pain's Rules & Decisions by the decisions of the Supreme Court of the U.S. in the cases of Ankeny & Clark 3 Wheat. 267 and by the decisions in the following cases viz 12 Pet. 6 Cranch 181. (March 1808) 1 Pet. 328 (10 Pet. 52)

The actual might with great propriety be followed by the Patent office by allowing for a time, formally the necessary repetitions & [illegible] the delay in bringing the case before the Courts the rights of the Patent being in the meantime suspended. It would be [illegible] if a case in the actual should be [illegible] promptly in the [illegible] Court if the Commissioner of the Attorney General should be [illegible] to the [illegible] on the question of the jurisdiction of the Commissioner. If not in the other legal questions in the case.

Mr Ellison and his associates also propose to file a Bill in the Supreme Court D.C. to obtain a decision on the merits of the case as between Harrington & Ellison on the one side and Judge Cranch & the M.M. on the other. The Chief Bill & Motion will be made to argue the application for the issue and the delivery or sealing of patents in the form proposed. Other motion can be made within a few days. It will [illegible] a decision of the jurisdictional question before referred to.

There is [illegible] no necessity for the immediate issue of the Patents. The Present case involves no damage by a short delay which on the other hand the issue of the Patents in the form proposed will [illegible] in regard to the very different from that which I should be the most favorable view of the case. For this he can fairly be entitled to question the contract of 19 August 1872 that he is to carry under the Patents so soon as he would be absolute owner of a mine which makes the contract he could not be entitled to more than a qualified ownership of that mine

(In fact he is entitled to nothing under it.)

No satisfactory ~~reason~~ can be assigned on behalf of Mr Prescott for requiring an immediate issue of the Patent. The N. H. Co. are in full accord with him and are urging the investigation on their lines just as if they had the fuel with.

It will of course be agreeable to you to be relieved from the responsibility of deciding disputed questions as to the extent of your own jurisdiction and to have these questions determined by the Court.

In the consideration of these cases it is ~~material~~ of notice that the Petitions for the Patent required these to be issued to the Inventor alone and that no request you made by Prescott under Rule 2 have his name inserted, ~~and~~

Please inform me what action the Patent Office will take, in reference to the request herein contained to postpone the issue of the Patents for a short period.

I think the opinion of the board may be taken upon the question at issue.

Very Respectfully

R. M. Poppe

The Direct United States Cable Company, Limited.

16 Broad Street

3/267

New York, Apr. 18th 1876

Thos. A. Edison Esq.
Newark N. J.

Dear Sir,

I have received the following answer from our "Managing Director" Mr. Von Chauvin, in reply to your suggestion to Duplex our cable, and shall be glad to hear further from you on the subject —

"If Mr. Edison wishes"
"to negotiate about his invention"
"he must send me his patent"
"specifications and state his terms" —

I am,
Yours faithfully,
Geo. Ward
Supt.

Geo. E. Ward

[ATTACHMENT]

as you know

My proposition was to Duplex the Direct Cable and ~~the unfinished~~ ~~sum of money that Co would pay~~ ~~in what form if I succeeded~~ ~~in doing so~~, was ~~that they~~ How much & in what form the Co would pay for ~~doing~~ it =

~~I can not see any use in sending specification and all this much talking before I have actually accomplished the work.~~ The question of the validity of the patent or whether it can be done can best be settled after it has been done!

~~Many thanks~~ It is evident that Monsieur Von Chauvin and myself cannot make a trade!

Many thanks for your kindness in obtaining a reply from London

~~Yours~~ Truly
Yours truly
J. A. E

(Checked & endorsed)

June 21, 1876

Ewd

I have need for funds a letter w/ adds of your own refy to pay me amply for expenses in Cuba.
I admit tt the contract was for 6 mo tt if was abandoned at the expiration of tt time & I agree
2. do my own expenses traffic. but t many I sk r wo expended by my bux beg. t contract
~~[illegible]~~ u do nt see tt you agree w/ Gen L. letter & think I ~~[illegible]~~ you
deserve ——

Menlo Park June 21 1896

E W Andrews
Dear Sir.

I have received from General Abbott a letter with addition by you, refusing to pay me anything for experimenting on Autographic. I admit that the Contract was for six months & that it was abandoned at the expiration of that time & I agreed to do my own experimenting thereafter. (But the money I asked for was expended by my book before that Contract terminated.

I can do no more than say that I agree with General Abbott's letter. I shall be well you quickly.

Yours
T A Edison

TRANSCRIPTION FOLLOWS

Philadelphia June 27 1876

Sir William Thomson

In response to your request for [illegible] data and specific information relative to the American Automatic Telegraph System I have the honor to present the following:

The necessary features of the system as I have seen it, were first [illegible] to the present Bureau of the Patents by Mr George Loth, [illegible] Atty N York City, in the [illegible] 60 or 70. at which the system was known as the "Automatic Telegraph" - The [illegible] consisted of

1st Perforation - operated by [illegible]
Elements - Capacity of 15 words per [illegible]
Holding Square Holes for Dots &
Dashes - set in one straight line

2nd The Electro Motor, which revolves Drum attachment as a Transmitter, a drum roller being used for [illegible] Paper through the Perforator

3rd Paper moistened in a solution of Iodide of Potassium passes over a Drum Guider to the Transmitter & Receiver [illegible] Platinum Stylus [illegible]

TRANSCRIPTION FOLLOWS

— At present at the receiving station arrangements are not used - but consisting solely of plain resistance Coils -

Recently this apparatus Mr Little obtained varying results upon the Wire between Newport & Madras 280 miles - American Compound Wire - (Steel core & Copper sheathing) sometimes getting remarkable results & at others utterly failing to produce legible characters at a speed of over 200 words per min

This spasmodic condition - continued for several months during which both Mr Little & myself made every effort to discover the cause of the difficulty - the attributing of the high results obtained to a change wrought in the condition of the wire - in reducing it from a more disorganized & uninsulated condition to one of good order & perfect high insulation - his theory being that leaks were necessary for the discharge of the static charge - Artificial leaks however failed to yield good results

About this time (during the year 1874) Mr Thomas A Edison a gentleman in Menlo Park &

TRANSCRIPTION FOLLOWS

& Electrical Apparatus was
called upon to construct a more
rapid Perforator - and some of the
experiments which the Electrical
Operator with a view of discovering
the cause of our now total
inability to get over 200 words per
hour between Washington &
New York - Then from the time
Mr Little's Contributions to the
Automatic System ceased & the
Experiments began -
Mr Edison soon discovered that
the - an Electro Magnet was
placed in the Shunt & the characters
were clear & sharp & could be made
with great rapidity - His theory
which led to the making of this Experiment
was that a charge from the motion
of the Strength of the Line Charge
caused the dust into the wire in a
direction opposite to that taken by
the Line - & that the secondary current
sequestered in an Electro Magnet by
the primary charge was the magnet
approach to the & the received
effect on the received result on
Operating them - the experiment
proved practically successful - but
appeared to be still inadequate
& occasioned him to refer to
similar Electro Magnetic Shunt
& recommend the Galvanometer
Instrument & Battery - This proved
successful

TRANSCRIPTION FOLLOWS

completely unsuccessful - the low resistance of the shunt allowing of an exceedingly heavy charging of the Electro magnet - resulting in discharge entirely equal to the work of compensation for the static of the wire -

By this discovery we found the explanation of Mr Little's occasional good results - the having but an imperfect operation recorded at times to improvising of resistances from our stock of Electro magnets & we then remembered that when we got readable records it was upon such occasions & such only -

Mr Edison having now settled the matter of permanent & rapid transmission, gave us the Perforator now in use - having a capacity of over 100 words per minute & it remained only to find a chemical solution which would retain permanently the record - that made by the Decide of Potassium solution being so fleeting in character as to be utterly worthless in practice. The character faded - before a single message could be copied -

All the "Iron Solutions" - recorded in the Electrical Journals - were tried repeatedly but proved

to be unequal to more than 100 to 150 words per minute - It became necessary then ~~for~~ ~~good~~ that a solution should be discovered having a sensitiveness near that of the Bodide - Mr Edison gave his attention henceforth to Chemistry & Chemical Experiments & during Months of study & labor day & night made many thousands of different formulæ - resulting at the end of that time in the Discovery ~~of~~ that Ferid. cyanide of Potassium was almost as sensitive as the Bodide & that the record made upon it by an Iron Stylus was permanent & had other good properties -

Mr Edison having ~~found~~ therefore the 3 Grand features of the present system viz

The Electro Magnetic Stylus
The Perforator - and
The Ferid. Solution. -
(Ferid. Cy. of Pot. & Common salt) -

and having contributed numerous numerous & very essential Mechanical Contrivances for the rapid & accurate manipulation of the Paper &c &c - it was a mere matter of justice that henceforth the system should be known as ~~the~~ Edisons Autographic Autograph

TRANSCRIPTION FOLLOWS

these three Elementary features
with their several accessories
have now been in use upwards
of 4 years & have never failed
to yield results in practice fully
equal to the original experimental
tests —
Upon the basis of these discoveries
& inventions - a Company known
as the Automatic Telegraph Co.
was organized - & operating on a
Wire between Newyork & Washington
with offices at Newyork, Philad.
Baltimore & Washington - which Co.
did a successful business during
a period of 2 years - & more.
off lines carrying as many as
[illegible] & 1000 messages per day - between
the hours of 9 am & 5 pm - & having
a reserve capacity for more - if
offered by the Public —
By contract between the owners of
the Patents And the Automatic &
Pacific Telegraph Co - the system
was placed into the hands of that
Co - [illegible] 1873, & is now being
[illegible] upon the lines throughout

TRANSCRIPTION FOLLOWS

The advantages over prevailing System - as well as those lately invented & about to be perfected or introduced —

The prevailing System in use in America & only what is termed the "Morse" - i.e. an Electro magnet Relay - and Sounder - all Calculations Corporation & otherwise are based upon it - Its Capacity is simply that of an Operator to transmit the Characters by hand - or rather by eye - (or sound as we term it) & Copying with the Pen simultaneously the highest speed ever attained by a wonderful expert being 50 words per minute - from 3 to 5 years constant practice family yields over 40 to 45 words per minute among the quickest & best Operators - hence to give a general average 30 to 40 words per minute is reasonable with the System & the Operator I will then take 30 words per minute as the Capacity of the American "Morse" - or Sound System, & 4 years the term of practice necessary to attain this average Capacity The average Pay for such Service during the past 15 years will probably approximate very closely to 100 Dollars per month.

We have therefore for the

TRANSCRIPTION FOLLOWS

Plain Straight Morse System
2 Operators @ 10/- per mn = £200, per mn
Who yield 30 words per minute

The President of the Western Union
Telegraph Co - Man whom no better
Authority on the subject can be
Given - says that 70% of the
Cost of Telegraphing in this Country
is in the pay of these Operators -
the remaining 30% - ~~[illegible]~~ Rent
Interest, Maintenance &c -

Hence to obtain Cheap Telegraphy
it is clear we must not only
~~attack the Branch~~ decrease the
30% by increasing the Capacity
of the wires - but must give even
more attention to the 70% it being
the more Important Item by
decreasing the No of Employees, or
the necessity for Skill, or by increasing
their individual Capacity

Now all of
~~Summary~~ the many improvements for
Duplexing, Quadruplexing, or otherwise
Multiplying the No of messages
that may be transmitted simultaneously
Over a single wire you will
doubtless have observed - are based
upon the "Sound" - or Ear reading of
Each Duplication of a wires Capacity
whether ~~the~~ reality or only a
partial ~~[illegible]~~ absolute necessity -

TRANSCRIPTION FOLLOWS

The addition of 2 "Sound" Receiver
Thus as Plain Morse requires 2-
a Duplexed Morse — 4
a Quadruplex — 8
in the case of the Practical
Application of the Telephone.
Here then we have in the latter case
16 Skilled men & work one wire
- Note too that in such Each increase
of a wires capacity in the direction
by Question of adjustment, bringing
loads twice & &c. becomes so serious
as to rapidly reduce the capacity
of Each man - & it would be impossible
to continue to allow so much for
minute & Each 2 man - I think
no one will dispute the position &
a reduction of say 5 times man -
thus giving in the case of the
Telephone - (which I simply cite
for the purpose of making my
showing more apparent)
16 Men @ 25 a Ex = 200 Order wire
Again - Owing to these above cited
Increased difficulties of adjustment
& Manipulation the men who operate
these wires must be chosen from an
Among the most Skilled & highest paid
- but I will not take other accounts
of this than simply & note it —
We have therefore by the latest
& most Capacious Duplexing
Morse system the following result

TRANSCRIPTION FOLLOWS

the operation of [illegible] per mo - £100,
who yield 500 words per minute

~~Hence~~ In practice however it will
I think be found that I have assumed
more work per man - than is
possible to obtain, even if it shall
be shown that the apparatus cited
above prove to be of the most
effective & possible character -

It seems then that the 70% of the
cost of operating has not only
not been reduced but that it
has actually been increased
- while the function of the Sp-
has as yet only been slightly
diminished in the Quadruplex, &
in case of the successful application
of the telephone would not be
materially diminished ~~beyond this~~
Upon the ~~[illegible]~~ scale of the 70% is
[illegible]

The Automatic -

With this system we have so
many advantages that it will be
necessary for me to enumerate
them -

1st We can practically a capacity per wire
upon an ordinary 500 mile ckt
of 500 words per minute

TRANSCRIPTION FOLLOWS

or 2½ times that of the Telephone
& 3 times that of the Quadruplex

Which capacity may be doubled upon shorter wires —

2nd The same simplicity of transmission & record — rarely ever requiring adjustment when once adjusted & when necessary readily done by the Operator working it —

3rd Requiring but one Skilled Operator at each end — none of the other manipulations of the messages passing over the wire having any connection with it whatever

4th — Both the transmission & the Recording Paper may be kept for future reference — or record —

5th The Interruptions upon a wire — consequent upon reading by sound such as breaking at the loop of a word &c — are entirely dispensed with

6th There being no adjustments of springs — Electro magnets &c — to changes of Battery Power — or effect of atmospheric action — or slight earth currents — such as escape by contact with trees buildings defective insulation

TRANSCRIPTION FOLLOWS

4th &c. – has no other effect than to reduce the depth of Color of the recorded Characters – the transmission being by perfect mechanical means – it only requires that the wire shall be left intact & the Battery Connection secure to absolutely insure the accurate transmission of the Characters perforated in the strip –

7th Perfection of accuracy – & Complete Avoidance of Error may be readily obtained by the simple precaution of "Proof reading" the Perforated Slip before transmission

8th Re accumulation of business in Case of Breakage of wires &c. – may be worked off in a few minutes after obtaining a wire – the Perforating having meanwhile been uninterrupted

9th The Perforating Operator performs his Labor & really – i.e. – without regard to the wire – is of necessity not subject to the Stoppages & hindrances imposed by Interruptions to the wire thus enabling him to maintain throughout the Day & year a steady performance of the work assigned him – No Stoppages implies good Average results —

TRANSCRIPTION FOLLOWS

The Perforating Machines Cost by Comparison with the wire they represent a mere trifle - a large surplus supply of them may always be maintained - thus providing for any emergency -

Capacity of Perforator & Cost of Labor —

The Perforating machine cannot be operated so rapidly as to produce inferior work - such as poorly perforated Characters &c —

It is so simple - consisting of a double Bank of Keys - one for each Letter all plainly marked - that an average Student may readily attain to a speed of 35 or 30 words per min in 3 to 4 months practice - and to attain to a speed of 45 words in a year ~~from~~ hence the production of this Labor is so readily accomplished as to reduce its Value — The average pay being but $45. per mo, while the Capacity of the operator is greater than that of more than a dozen per mo —

TRANSCRIPTION FOLLOWS

The Copying —

Copying from sight - being in the matter of time - afforded the Copyist to read the matter - so Essentially different from Copying by sound - where the Copyist must catch & write the word Instantly or lose it - it follows much less skill is required In fact - Copying only implies Good Penmanship & the Committing to memory of 20 characters - so that an entire Office of Operators Clerks Managers &c - may be utilized for this purpose - & even the Outside public may be called upon at a weeks notice —

Hence - the production of the Labor is even a simpler matter & less expensive than the Perforation —

We have therefore
1 Wire - 200 miles long

Capacity 500 words Per Minute
10 Perforators Capacity 50 x 10 = 500 = per Min
15 Copyists " 32 " " = 500 " "

1 Wire = 30 ofrs @ $100 = $200.
10 Pfrs @ $45. 450.
15 Copyists @ 40 - 600 = $1250.

27 men 1250 per mo
Pd yield - 500 wds per min

A Comparison of Cost of work produced by the Morse & the Automatic Method.

Allowing 8 Hours per Day & 26 Days per month.

2 Morse Men will give for £600. = 374,000 words.

2 Auto. Men will give for
Perforator 4s. £85. 510 680 words
Operator 4s.

(Perf. 50 a Per Min average 41 words per Min for the 2)
Operator 32 " " " "

The Morse Operators fully occupy the wire.
The Automatic Opers occupy but 1/5th of the wires capacity.

Electrical Obstacles

There is but One Condition of wire which Automatic suffers more seriously from than Other Methods that is Crossed Wires Carrying Foreign Currents, if this Foreign Current is opposed to the Automatic Current Cuts the Dots Out. If with it, it

TRANSCRIPTION FOLLOWS

carries a straight line through
the record —
In the other hand. a "ground"
has to be a decided one to prevent
the automatic from working over it -
Even when it is impossible to signal
by the Electro magnet Automatic will
continue to ~~work~~ record clearly &
rapidly -

Distance - or Length of
Circuit

It will work satisfactorily over a
- No 9. Iron Wire - (in good condition)

1000	words	Per Min	200	Miles
500	"	" "	300	"
250	"	" "	400	"
150	"	" "	600	"
100	"	" "	1000	"

Beyond these distances it is
not found practically to answer
the Speed -

Mr Edison has however made a
Repeater for automatic signals
based upon his Electro-motor
which upon a 500 miles long circuit
has worked at a speed
of 600 words per minute - but
is somewhat intermittant in its
action - Mr Edison however is
confident of making a practical

instrument by a little further
Experiment - he having done nothing
at ~~[illegible]~~ for more than a year past.

Cable.

The enormous Static Capacity
of a Cable cannot be overcome
by the Electro Magnetic Contravention
Lessen it cannot in its present
Form be applied to Cable.
Mr Edison has made some
Experiments in this direction,
attended by good Evidence of
successful issue & is
Sanguine of ultimately overcoming
the difficulty in great part -

Many other points will
Engage Herschel & your
Mind - which the hasty manner
of writing this has forbade me
to mention - I regret also
that the momentary notice
of your desire makes it
impossible for me to furnish
you with Documentary proof
of all statements herein made -
If however any further
information is desired, or
any statement called serious
in question I shall be happy
to do so if you will give me
the opportunity to contribute
verify -

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

Copy of E.H. Johnson's letter on the American Automatic system to Sir William Thomson.

Philadlephia, June 27, 1876.

Sir William Thomson

In response to your request for certain data and specific information in relation to the American Automatic Telegraph system, I have the honor to submit the following:

The general features of the system, as you have seen it, were first introduced to the owners of the patents by Mr. George Little, of Passaic City, New Jersey, U.S.A., about the year 1869 or 1870, at which time the system was known as "The Little Automatic Telegraph". The apparatus consisted of -

1st - A perforator operated by electro-magnets - capacity, 7 to 10 words per minute. Marking square holes for dots and dashes - all in one straight line.

2d.- An electro-motor with revolving drum attachment as a transmitter, a small roller being used for making contact through the perforator.

3d - Paper moistened in a solution of iodide of potassium, passed over a to the transmitter - and traversed by a platina stylus, for (last line completley missing)

4th - A shunt at the receiving station arranged as now, but consisting solely of plain resistance coils.

With this apparatus Mr. Little obtained varying results - upon the wire between New York and Washington, 280 miles - American Compound Wire (shell core and copper sheath), sometimes getting remarkable results, and at others utterly failing to to produce legible characters at a speed of over 200 words per min.

The spasmodic condition continued for several months, during which both Mr. Little and myself made every effort to discover the cause of the difficulty - he attributing it to the improvements I had wrought in the condition of the wire - in restoring it from a very dismantled and uninsulated condition to one of good order and high insulation - his theory being that "leaks" were necessary for the discharge of the static charge - Artificial leaks, however failed to yield good results.

About this time*(during the year 1871)*Mr. Thomas A. Edison, a genius in mechanical andelectrical contrivances was called upon to construct a more rapid perforator - and soon after to experiment with the electrical apparatus with a view too discovering the cause of our now total inability to get over 200 words per minute between Washington and New York. And from this time Mr. Little's contribution to the Automatic System ceased, and Mr. Edison's began.

- 1870. Edison made an agreement with D.H. Craig Aug. 17, 1870 for the perforator

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Mr. Edison soon discovered that when an electro-magnet was placed in the shunt the characters were clear and sharp, and could be made with great rapidity. His theory (which led to the making of this experiment) was, that a charge of the strength of the static charge should be sent into the wire in a direction opposite to that taken by the static, and that as the secondary current, engendered in an electro-magnet by the primary charge was the nearest approach to it, he could obtain the desired result by opposing them. The experiment proved positivly successful - but appearing to be still inadequate it occurred to him to place a similar electro-magnetic shunt the transmitting instrument and battery. This proved completly successful. The low resistance of this shunt, allowing of an exceedingly heavy charging of the electro-magnets, resulted in discharge entirely equal to the work of compensation for the static of the wire.

In this discovery we found the explanation of Mr. Little's occasional good results. He having but crude and imperfect apparatus resorted at times to improvising resistances from our stock of electro-magnets, and we then remembered that when we got readable records was was upon such occusions, and such only.

Mr. Edison, having now settled the matter of permanently rapid transmission, gave us the perforator now in use - having a capacity of over 100 words per minute - and it remained only to find a chemical solutionwhich would retain permanently the record; that made by the iodide of potassium being so in character as to be utterly worthless in practice - the characters fading before a single character could be copied.

All the "iron solutions" recorded in the electrical books were tried repeatedly but proved to unequal to more than 100 to 150 words per minute. It became necessary then that a solution be discovered, having a sensitiveness near that of the iodide. Mr. Edison gave his attention thenceforth to chemistry and chemical experiments during 6 weeks of study and labor, day and night, made many thousands of different formula - resulting at the end of that time in the discoverery that ferid-cyanide of potassium was almost as sensitive as the iodide, and that the record made upon it by an iron stylus was permanent - and other good qualities.

Mr. Edison, having given, therefore, the 3 grand features of the present system viz: The Electro-magnetic shunt
The Perforator
The ferid solution (ferid - cyanide of potassium and common salt) and having contributed numerous ingenious and very essential mechanical contrivances for the rapid and accurate manipulation of the paper, etc., etc., it was a mere matter of justice that henceforth the system should be known as the Edison American automatic. These than elementary features with their several accessories have now been in use upwards of 4 years, and have never failed to yield results in practice fully equal to the original experimental tests.

Upon the basis of these discoveries and inventions, a company known as the Automatic Telegraph Company was organized - operating on a wire between New York and Washington, with offices at New York, Philadelphia, Baltimore and Washington - which company did a successful business during a period of two years, or more, ofttimes carrying as many as 900 to 1000 messages per day, between the hours of 9 A.M. and 6 P.M. - and having a reserve capacity for more if offered by the public.

By contract between the owners of the patents and the Atlantic and Pacific Telegraph Co. the system was passed into the hands of that Company, Feb. 1875; it is now being upon their lines throughout thecountry.

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

Letter (cont.)

The advantages over prevailing systems - as wella as those lately invented and about to be perfected: -

The prevailing system in use in America being what is termed the "Morse" i.e. an electro-magnet relay and sounder. All calculations, comparative and otherwise are based upon it. Its capacity is simply that of an operator to transmit the characters by hand, or read by ear (or "sound" as we call it), copying with the pen simultaneously. The highest speed ever attained by wonderful experts being 54 words per minute. From 3 to 5 years constant practice rarely yields over 40 to 45 words per minute among the quickest and best operators. Hence to fix a general average of 30 words per minute is dealing liberally with the system and the operators. I will than take 30 words per minute as the capacity of the American Morse, or Sound system, and three years the term of practice necessary to attain the this average capacity. The average pay for such service during the past 15 years will probably approximate very closely 100 dollars per month. We have therefore for the plain straight Morse system 2 operators @ $100.00 per month equals $200.00 per month, who yeild 30 words per minute.

The President of the Western Union Telegraph Company, than whom no better authority on the subject can be given says that 70% of the cost of telegraphing in this country is in the pay of the operators, the remaining 30% covering rent, interest, maintenance, etc.

Hence to obtain cheap telegraphy it is plain we must not only decrease the 30% by increasing the capacity of the wires, but must give ever more attention to 70% - it being the more important item- by decreasing the number of employees, or the necessity for skill, or by increasing their individual capacity.

Now all the many improvements for duplexing, quadruplexing, or otherwise multiplying the number of messages that may be transmitted simultaneously over a single wire, you will doubtless have observed, are based upon the Sound or Ear-reading principle. Each duplication of a wire's capacity, whether in reality, or only a partial, therefor absolutely necessitates the addition of 2 Sound readers. Thus:

A plain Morse requires	2	(operators)
a duplexed Morse	4	"
a quadruplex	8	"
or in the case of the successful application of the telephone	16	)

Here then, in the latter case ~~16 skilled, we have~~ we have 16 skilled men to work one wire. Note too, that with each increase of a wire's capacity in this direction, the question of adjustment, balancing lost time, etc. etc., becomes so serious as to rapidly reduce the capacity of each man, and it would be unfair to to all on 30 words per minute to each 2 men. I think no will dispute the justice of a reduction of say 5 per man - thus giving, in the case of the telephone (which I simply cite for the purpose of making my showing more apparent) 8 men @ 25 ea. equals 200 again, owing to the above cited increased difficulties of adjustment and manipulation the men who operate these wires must be chosen from the most skilled, i.e. - high-priced - but I will not take other account of this than simply to note it. We have, therefore by the latest and most capacious duplicating Morse system the following result.

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

Letter (con't.)

16 operators at 1 wire at $100.00 per month is $1600.00 who yield 200 words per minute.

In practice, however, it will I think, be found that I allowed more words per man than it ia possible to obtain, even if it shall transpire that the apparatus cited shall prove to be of the most effective and simple character.

Observe that the 70% of the cost of operating has not only not been reduced, but that it has actually been increased, while the reduction of the 30% has only been slightly obtained in the quadruplex, and in the case of the telephone would not be materially reduced when the increase of the 70% is

The Automatic.

With this system we have so many advantages that it will be necessary for me to enumerate them.

1st - We have a practical capacity per wire upon an ordinary circuit of 250 miles of 500 words per minute, or 2½ times that of the telephone and 5 times that of the quadruplex. Which capacity may be doubled upon shorter wires.

2d - We have simplicity of transmission and record - rarely ever requiring adjustment when once adjusted and when necessary readily done by the operator working it.

3d - Requiring but one skilled operator at each end. None of the other manipulators of the message passing over the wire having any connection with it whatever.

4th - Both the transmission and the recording paper may be kept for future reference - on record.

5th - The interruptions upon a wire - consequent upon reading by sound, such as breaking at the loss of a word, etc., are entirely dispensed with.

6th - There being no adjustment of springs, electro-magnets, etc., a change of battery power, or effects of atmospheric action, or slight earth contacts such as escape by contact with buildings, defective insulation, etc. etc., has no other effect than to reduce the depth of color of the recorded character. The transmission being by perfect mechanical means, it only requires that the wire shall be kept intact and the battery connections secure to absolutely insure the accurate transmission of the character perforated in the strip.

7th - Perfection of accuracy and complete avoidance of error may be readily obtained by the simple precaution of proof reading the perforated strip before transmission.

8th - An accumulation of business in case of breakage of wire, etc., may be worked off in a few minutes of obtaining a wire - the perforating having been meanwhile uninterrupted

9th - The perforating operator, performing his labor locally, i.e. without regard to the wire, is of necessity not subject to the stoppages and hinderances imposed by interruptions to the wire. Thus enabling him to maintain throughtout the day and year a steady performance of the work assigned him - No stoppage implies good average results.

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

Letter (con't.)

10th - The perforating machines costing, by comparison with the wire they represent, a mere trifle, a large surplus supply of them may always be maintained - thus providing any emergency.

Capacity of the perforator and cost of labor.

The perforating machine cannot be operated so rapidly as to produce inferior work - such as partially perforated characters, etc.

It is so simple, consisting of a double bank of keys, one for each letter, all plainly marked, that an average student may readily attain to a speed of 25 or 30 words per minute in 3 or 4 months practice - and do attain to a speed of 45 to 60 in a year. Hence the production of this labor is so readily accomplished as to reduce its value. The average pay being but $45.00 per month, while the capacity of the operator is greater than that of the Morse operator at $100.00 per month.

The Copying.

Copying from sight - being in the matter of time afforded the copyist to read the matter - so essentially different from copying by sound, where the copyist must catch and write the word instantly or lose it - it follows, vastly less skill is required. In fact, copying only implies good penmanship and the committing to memory 26 characters - so that an entire office of operators, clerks, managers, etc., may be utilized for this purpose, and even the outside public may be called upon at a week's notice. Hence - the production of this labor is even a simpler matter and less expensive than that of the perforators.

We have therefore:

1 wire 250 miles long.
capacity: 500 words per minute
10 perforators, capacity 50 ea. equals 500 equals per month
15 copyists " 32 " " " 500 " " "

1 wire with 2 operators @ $100. equals $200.
10 perforators @ $45. " $450.
15 copyists @ $40. " $600 equals $1250.

27 men, $1250 per month
yield 500 words per minute.

Comparison of cost of work produced by the Morse and the Automatic methods.

Allowing 8 hours per day and 26 days per month

2 Morse men will give for $200. 00 374,000 words
2 automatic men will give for perforators $45.
copyist $ 40 equals $85.00 510,680 words.

(perforators, 50 words per minute, copyist 32 words per minute, average 41 words per minute for the two.

The Morse operator fully occupies the wire.
The automatic operator occupies but one fifteenth of the wire capacity.

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

Electrical obstacles.

There is but (one) condition of wire which automatic suffers more seriously from than other methods. That is crosses (contact with wires carrying foreign currents) This foreign current if opposed to the automatic current, cuts the dots out. If with it, it carries a straight line through the record.

On the other hand, a "ground" has to be a decided one to prevent the automatic from working over it. Even when it is impossible to signal bt the electro-magnet automatic will continue to record clearly and rapidly.

Distance, or length of circuits.

It will work satisfactorily over a No. 9 wire (in good condition)

1000 words per min.	200 miles
500 " " "	300 "
250 " " "	400 "
150 " " "	600 "
100 " " "	1000 "

Beyond these distances it is not found practicable to increase the speed.

Mr. Edison has however made a repeater for automatic signals based upon his electro-motograph, which upon an artificial line, 500 miles long, has worked at a speed of 600 words per minute, but is somewhat intermittant in its action. Mr. Edison is confident, however of making a practical instrument by a little further experiment he having done nothing (with it) now for more than a year past.

Cables.

The enormous static capacity of a cable cannot be overcome by the electro-magnetic compensation. Hence it cannot in its present shape be applied to cables. Mr. Edison has made some experiments in this direction, attended by good evidence of successful issue, and is sanguine of ultimate overcoming the difficulty in great part.

Many other points will suggest themselves to your mind, which the hasty manner of writing has forbude me to mention. I regret also that momentary notice of your desires render it impossible for me to furnish you with documentary proof of all statements herein made. If however, any further information is desired, or any statement called seriously to question, I shall be only too glad if you will give me the opportunity to contribute and verify.

J. C. REIFF.

Confidential

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No. 52 BROADWAY.

New York, July 5th 1876

Dear Edison:

The death of Roberts was fearfully sudden.
Heard it in Phila. on Evening of 3rd.
Shall write to Penny. Don't stay with Elliott instruments in Pgh.
Did have reply Thole Saturday.
Months months ago, you answered all contracts were not needed Western parties, who intended to keep faith.
Hungary will place one instrument.
Last week troubled you much.
You might know that as long as I had money, Throat Sick prompted by it.
When battle with the Capital we lose Short. Some return is Expected.
You know I have not profited personally instead of one penny in 5 years. Have spent over 17000 cash. without interest.
You have often to me. you looked forward to

time (regarding outcome of
quit) when I signed Bryan
letter & got of general agent
with 1/3 interest —

I am now ready to devote
myself exclusively to it, on some
fair understanding.

You have been annoyed during
last few years, but your brain
has been tremendously developed.
You have had wonderful experience —
You have lost & accumulated
considerable money, Bride has
interests in Patent not unsold.

Where am I?

Mr. Edison knows what is rights
He has promised to stand by me & by
the parties in London.

Yrs J. C. Reiff

J. C. Reiff
Jan 27, 1876

J. C. REIFF,

No. 52 BROADWAY,

New York, July 7th 1876

My dear Edison

Your note rec'd.

You have seen enough of me to know that I don't want anything belonging to others. The mistake of the last 10 years has been in trying to be generous & unselfish, without asking compensation for every act done.

I simply meant that as all had been in equal shares last time such was needed. & that I was free to go to work & you were now relieved from pressing need. It might be a good time to start on a general plan for the future, & that I simply relied on our understanding of long since. — Whatever you do, I know you don't get suspicious of me too.

I am simply under the harrow from no fault of mine & need like to get out.

I have written to Sir Wm not to fail to advise us of his return here. Prof Thomson is very much pleased with you. Truly J. C. Reiff

Yours Edison, I let go that old photo in my office. You see I did in hard pressed with you & only could offer little for it.

J. C. REIFF,

No. 52 BROADWAY,

New York, July 10th 1876

My Dear Eliza. Mr Mary Defendt advises me the law hire not allow them to enter the Instruments for.
Be careful how you proceed with O in any matter.
When I see you I can tell you of a remark he has made about you within past 48 days.
I don't think you owe him anything.
A P Dudleys intend to resign position if compelled to pay by law & say duties are not very little to them. They seem to be depending for future on Dudley.
When you next come in, I want you to sign & swear to Custom. This takes whole cost will be about $725 Currency.

Yours L J C Reiff

J. C. REIF

No. 52 BROADWAY,

New York, July 17th 1876

Dear Edison.

Sir Wm Thomson is here. Surprise him the day after tomorrow by asking him to visit Menlo if it is all possible. If it is absolutely impossible you should come call on him here. If I get word from him that he will visit Menlo, I will telegraph you time of our arrival etc.

He sails Wednesday for Europe, & effects to make an arrangement with him as an associate.

Prof Varley has become a confirmed Spiritualist, thereby serious injured his influence.

I go to the country with O this evening.

I did not receive a check from Tuesday, but hope to do so not later than tomorrow. We had occasion to retain a lawyer yesterday for refusing admit Quadruplex & Russell bounced the money.

Not is proof that fact is an accident.

Tell Jerry, once more to be careful, our office boy, copies, our office boy

Menlo Park N.J. Aug 24th/76

To the Editor
of the Telegraph Journal

Referring to a Communication from ~~Mr~~ George Little appearing in your issue of Aug 1st 1876 Dated Richmond Va. & signed by Mr George Little in which he claims to have succeeded Mr Edison in the observation of the "Imperfect Contacts which occur in signalling with Rigid Contact points" the same being the title of a communication from Mr T. A. Edison of Menlo Park N.J. U.S.A. to the Journal of the Society of Telegraph Engineers ~~I beg~~ I beg to call attention to the inexactitude and incoherence of the writer - for the purpose of giving your readers the benefit of a standard whereby to judge of Mr Little's productions, both in Class & Size, and in Self-Esteem - the latter of which you will no doubt be liberally supplied as have been the ~~Papers~~ various Electrical Publications of ~~the~~ Country i.e. - "to the verge of Delirium" After which, feeling ~~sure~~ that my assurance that this ~~specimen~~ specimen of Effusion is a fair above the general average of the Gentlemans Productions will be promptly conceded I shall not again trespass upon your valuable time Mr Little's Grandiloquent phrase wherein he terms Mr Edison as "a Mr Edison" - will appear sufficiently absurd & give added strength & characterizing adjectives when I inform you that the Gentleman favored with the little "a" is Mr Thos A Edison the Inventor of the Gold & Stock Reporting, ~~Telegraph~~ - the Quadruplex, the American Automatic Chemical recording ~~Pen~~ & the dis-coverer of the Electro Motograph ~~Pen~~ etc - known throughout this land by ~~Millions~~ of his products

While the gentleman who makes the ~~[illegible]~~ Character of Edison is known & chiefly by Work of Autobiographical, ~~[illegible]~~ and Defamatory Publications -
Bearing the foregoing in mind the following will be Appreciated -
I quote from Mr Edison -
"The key which I used was an Ordinary one, with front & back point - the former connected with the Battery the latter with the recording Pointer of the Main Instrument. While the lever was connected with the Cable -"

Here we have some observations upon the Effect of a re-bound of the ordinary Morse key.

I quote from Mr Little -
"Having some remarks on a communication by a Mr Edison on the imperfect Contact which occurs in signalling with rigid points by a Bain Pointer" + + + + A Non rigid Stylus + + + was used by me + + 19th Aug 1870 - since which time Non rigid Styluses have always been used &c"

It is here self Evident that Mr Edisons Critic has ~~[illegible]~~ to your Country had Series of Blundering & over-reaching Efforts to Bamboozle the Public with his ~~[illegible]~~ of Ego.

Very truly Yours &c

E. K. Adams

Elect Engr Am. Auto. Telegh

If any one of your many gifted readers more analytical than ~~the editor~~ his fellows can see any connection between an ordinary Morse key and a No 30 Iron wire recording stylus perhaps they can — comprehend wherein Mr Little precedes Mr Edison in his observations —

Enclosing to Reiff
Reiff to Edison
Sept 8. 1876

Rec'd Sept 9th

N.Y. Sept 8 1876

My Dear Reiff

Mr Allen has been out of town, is to return tomorrow. I have therefore been unable to leave position from him. Mr Edison [illegible] old or for me a few days longer, I think it will be all right in a day or two but cant say positively until I see him.

Please accept my thanks for considering my interests. Hold on until I get something positive and I will take the first off train to return the favor.

I never heard that Cal Fe was now the president

Secretary J. P. Davis
Dear Sir: I think he was
I have always understood
that he was a Col. of
an Arkansas regiment
serving in the army, but left
the Confederacy and came
North long before the war
closed and remained
with friends in Western
New York, this is as I
now understand his record.

Respectfully Yours
W. Tecumseh Sherman

Dear Edwin,
Latter hard refers
to other matters.
If C does not furnish
something definite in his
own safe Monday or Tuesday
I will send the writer
I am trying to arrange the law
due in London. 12 o'clock Noon

50 West Washn Place
My City Sept 14/76

My Dear Johnson.

My mention of D'Arlincourt to D'Espiville must have struck his conscience to the quick for he has thrown the former overboard & gone in for a new plan with which he claims 700 words between here & Buffalo. I show this on plan No 2 which is nothing more than a compound Varley

J R Knight Sept 14 76

Relay. His former plan is shown at No 1 (got this way) It is what I call a closed magnet with 4 poles at each bend between which swings a soft iron needle within a hollow bobbin of wire at each end. both needles are on the same shaft which runs parallel to the magnets. Please destroy all these diagrams. am afraid of people here getting suspicious of me there was much wondering today about ~~your~~ Edisons enquiry for

his 3 Key perforator. Gpul said you must have heard we were making some new pattern of perforator.
Write me in future to above address.

Yours Resp'ly

Ino K Knight

Nos wire –

Drexel Morgan & Co wire Sept 14 1876 –

To Wright – you may do as you think best about renewing the D L & W loan tomorrow. A J. D – Cox – Please quote price Morris & Essex. N J Central and Del & Hud C
A J D – Please ask Mr T if he has anything to say in answer to Mr. A J's telegram about cable. Di all right. A J D. Morris & E 88½ to 90 – N J Central 26 to 26¼. D & H Canal 71½ to 72 – Cox – What does T say?
A J D. – Just as I received your message Belmont came in, he has just left, he came in to say that the gold part of the syndicate was not working as he had hoped. In reply to your telegram. Yes, by all means, give us your views. Excuse delay E. P. T
Please say to Cox that A J want quotations of Bonds not of stock as he was given
D & Co sold 10 M K & Tex 65s at 113¾ seller 3 – D M & Co
A J D Bot 25 M Jersey Central first Con at 79. Regular
D M & Co.

D M & Co. wire,
In relation to their
order to me for a set
of decent telegraphing instr.

EP.7 = I should suggest following as cable to J.S.M
= "Vitally important support government party - defeat infers. inflation, Ohio, Indiana need funds immediately meet heavy campaign expenses. DM & Co, J and W.S. M B and Co contribute five thousand each, will you give the same, also see if R will contribute proportionately, cannot ask syndicate on account of "B's" politics leave it to your judgement to approach "R"

A.J.D.

Dam clerk looking over my shoulder, made me mad didn't want him c this,

A.J.D. M 48 1st Com 97. to 99½ N Y C 1st cons 77 to 80, Del & H. 84. 100 to 104. do 1891 100 to 105 do 1877 103. 104¼ - do 1894 100 Cox

Slipped wire off.

J. C. REIFF,

No. 52 BROADWAY,

New York, Oct 18th 1876

Confidential

Dear Grim

Did you write the letter as intended? When the Pan Handle was second for Kunz one friend Oscar Lefferd very strongly urged being the chief difficulty. Told him I thought there was a good chance then that you would some disposal of it & would have him remembered. He was then in debt to you — Those Otto Kuntz nothing then of you him to him, until now some of his creditors have got after him & has him to draw on me for 100 now to help him along. The said on him cost him about 1000 this salary and allow such amounting within — years to 4 or 5 years!

Yours Jacob Reiff

Yes, do write me that he keeps clear of us & pass it off as his self. If you can do so — you will do us a great favor.

J. C. REIFF.

Strictly Confidential

No. 52 BROADWAY.

New York, Feb 8th 1878

Dear Edison I desire to see you as soon as possible value. I am seriously contemplating going into bankruptcy, but myself of the load that is crushing me & want your advice in several matters.
I must avoid anything that will injuriously affect our joint interests (your & mine) but I must do something. O seems to promise fair with his bills, but for some mysterious reason, either of an confidence or insincerity, he simply delays. If after a careful review of the situation, it is deemed best, I shall go through the form of legal relief, but my moral obligation to pay every dollar I owe, still remains absolute, if I am ever able. When will you be on.

Yours J. C. Reiff

You better destroy this after reading
Send copy bill to B. P. today.

Confidential

Thomas A. Edison, Esq.
Menlo Park
New Jersey

2. Exchange Court N.Y.
8th December 1876

Dear Sir

Having been informed that you have recently made several new and important inventions in Telegraphy I beg leave to offer for your patient and careful consideration the following suggestions.

1. If you submit these new inventions to Mr Orton with the understanding that he may control them if he pleases disconnected from your prior inventions in Automatic and Quadruplex telegraphy you will seriously damage your own interests as well as those of your friends.

2. Mr Orton has recently felt well disposed to adopt our theory that the true way to impair the strength of the W. U. T. C. and to prevent the further acquisition of prestige by them is to make an arrangement with you and your party whereby the Western Union may hold the title to your Automatic and quadruplex patents in connection with your more recent inventions.

3. It is a question of policy which they have to consider. On

improvements in their own present mode of doing business is of course of some importance to them, but it is not so important to them as the crushing of their great enemy, and especially the prevention of the acquisition by that enemy of the great strength they would obtain by coming to terms with Mr Reiff and your party, and thereby holding your automatic and quadruplex inventions as the basis of further improvements in automatic and Quadruplex telegraphy.

4. It is true you might show the Western Union how to improve the present system but if the A. & P. should then acquire your Automatic and Quadruplex inventions they might have afterwards important improvements invented and thus be able to maintain a strong competition with the W. U.. That is what they want to prevent.

5. Our free plan is to couple your former inventions with those now contemplated by you, not to dispose of them separately to the W. U. By coupling them together you will have, in your own hands the control of the negotiation and we should so — apportion the total price paid as to secure the larger part for you individually, for your newer inventions

6. If on the other hand you should endeavor to dispose of the new things separately to the W. U. you would have to wait a long while before you would receive any considerable payment on account of them - the payment would depend upon future experiments and trials.

And by separating the newer inventions from the former ones you would disparage the Automatic and Quadruplex and cool the ardor of the W. U. in the pursuit of the policy — which they have (or recently had) in view viz the deprivation of their enemy of their prestige derived from the supposed control of your Automatic and Quadruplex systems.

It appears clear to my mind that you have every thing to gain by holding the inventions to be disposed of as a unit and that great loss and damage would result to you if you were to adopt the opposite policy

Yours truly
T. W. Rigsell

P.S. We must take care to prevent as much as possible the disparagement of your prior inventions seeing that your reputation is at stake This letter has been written without conference with Mr Reiff

OFFICE PHILA. INQUIRER
DEC 20 1876
WASHINGTON D.C.

Dr Pff

Edison did not write me & can't conceive of any improper use that could be made of such a letter. Russell was in the other evening but ran off into such a prodigious string of infidelity & blasphemy that I don't care to ever meet him again. A man without a religion is not fit for partner or counsel

Truly U S Grant

It seems he has used
no letter at all from you
Let me be informed you.
So. Is it possible that
not my dear. I have let him on receipt
of letter of nothing from you need be
applied by Mrs Nothing at all
J.C.N

OFFICE PHILA. INQUIRER
DEC 24 1876
WASHINGTON, D.C.

Dear Rg

A short note from Edison dated 12-23, rec'd to-day declines to do as I suggested - says he is well pleased with his situation & pleasant relations to W.U. - & such is life!

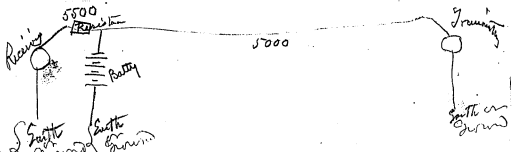
Yours
W. H. Painter

Mr. [illegible]

[illegible]

Marcellus [illegible]
[illegible] inter [illegible]
[illegible]

Pamphlet
Dec 24, 76



This is a new plan to get rid of tailings - does it any thing with any of your plans &c? will it work - test it thoroughly & wire me if you get this signing - "How are you coming to Newyork?"

U N Pomeroy
Washington D.C.

E. H. Johnson
for a Edison
Duplex

Duplex (1876)

The history of the Telegraph is certainly one of the most curious if not the most romantic of all the stories connected with the application of Science to business purposes. Every year adds something to the interest of the story and helps to simplify & improve the methods in use as well as the discovery of new principles. Within the last four years a tremendous advance in the art of telegraphy has been made, greater by far than the thirty odd years preceding it.

It is the object of this article to convey in a popular way some an idea of the principles underlying these late remarkable improvements. The first of these is unqualifiedly the Duplex ~~the~~ apparatus - the

2. Art. on. Telegraphy

Invention of Jos B Stearns of Boston Mass - On apparatus by which two distinct messages are transmitted over a single wire in opposite directions simultaneously -

It is true - that ~~an~~ a number of inventors & others had made previous attempts to accomplish this, but failed probably on account of certain phenomena which until late years were obscure & unknown - Many descriptions of this apparatus have appeared from time to time since its application and a number of ~~public~~ lectures before scientific bodies - notably one by Prof. Vanderweyde delivered before the Polytechnic Institute in this city -

It has been assumed and contended by many persons & was even so claimed by this firm that because two messages were transmitted in opposite directions over a single wire, the Electric Waves - or currents or vibrations - as they may be - necessarily passed each other in ~~opposite~~ contrary direction. And that the success of duplex transmission implied that some of the most widely known laws of Electric propagation were erroneous. In a paper called "The Operator" published by & devoted to the interest of Telegraph Operators, we find a very clear & concise description of the real ~~operation~~ action of the Electric currents in duplex transmission - the writer of

[ESSAY BY EDWARD H. JOHNSON]

INCOMPLETE

10

(775)

Or to Take a wire Quadruplexed one hour
Capacity of Quad. wire } Capacity reduced by the records
4 Operators 20 words per min. } Completion of Machines & adjustment &c
Constantly Employed 8 Hours
Per Day - 26 Days = 1,248,000 words.
Cash $800.

I think no one will dispute my liberality in placing the capacity of an Operator on the Duplex or Quadruplex at 5 words per minute less than upon a Main Morse wire - when loss of time for purpose of adjustment - "Breaking" for recapitulation &c &c - is duly considered. Indeed I think the figures entirely too high but will concede them rather than cause discussion -

I have, for the same reason - not added to the cost of Operating a Quadruplexed wire, though it is a fact that the Western Union Company place their most intelligent & skilled men on these wires -

The Automatic

This system is so essentially different from Other that a precise comparison is somewhat difficult yet I will attempt to make it sufficiently clear for the detection of any fallacies - if any exists -

The Perforator

The Machine cannot be operated so rapidly as to cause it to perform imperfect work hence its capacity is the capacity of the Operator -

From the construction of it - it will be seen that a perfect novice may pick slowly out

the words he wishes to put into characters. While 3 months practice will enable an average student to attain to a speed of 30 words per min. 1 years practice will give 40 to 60 words per min. at which point a long interval will occur before much progress is made - Owing to the necessity of dividing the Eye between the Key Board & the Message =

As young Ladies in from 3 to 6 years practice become sufficiently familiar with the Keys to play the Piano without removing their Eyes from the music so will the Perforating Opr. though in much less time as the scope of the Key board is so much less - the proof of this is in the fact that some of the few that have been employed upon these Instruments for the past two years in performing a sentence from the mind or from dictation have made over 100 words per minute And one young man perforated correctly 600 words in exactly 6 minutes

In view of these facts and of my experience I find myself justified in placing the Capacity of the Perforating Opr. at 40 words per minute and the cost of such Labor at $30 per month -

The Copyist

Copying - or translating the characters - requiring only good Penmanship & the committing to memory of 26 characters, is a Labor as Easily produced as to command. but Smaller Compensation, & fortunately; as like the "Moser" the product is limited to the Penmanship Capacity of the Copyist.

[ESSAY BY EDWARD H. JOHNSON]

INCOMPLETE

12

The Capacity of a Copyist will approximate closely 30 words per Min - Pay $40. per month -

We have therefore the following as the product of the Automatic Labor —

Perforator 50 words per Min. @ $50. per month
Copyists 30 " " " @ 40. " "

Mean average 40 " " " @ 90 " "

To which we must add the proportion of the Pay of 2 skilled Men necessary to the ~~[illegible]~~ the Wire, & properly chargeable to the ~~[illegible]~~ per minute

The Capacity of an ordinary Circuit say 200 Miles - all delays & loss time considered - is 250 words per Minute -
We have therefore as representing the Labor of the 2 Automatic Operators @ $100. Ea = $200 - per Mo. = 250 words per Minute
Or for the 40 words per Min $ - the. per Mo
giving $40. words per Min = Cost $12 2.
8 Hours per Day -
26 Days = 499.200 words Cost $122.

For better illustration and comparison we will make a calculation based upon the wires capacity -
Allowing for all Interruptions and Delays we will obtain the following

INCOMPLETE

12

Command but small compensation, fortunately so - as like the "Morse" the product is limited to the penmanship capacity of the Copyist

The capacity of a Copyist will approximate closely 30 words per min. - making deduction for all loss time we put it at 20.

We have therefore the following as the product of the

Automatic Labor

Perforator. 30 words per min. @ $.50. per mo.
Copyists 20 " " " @ $.40. " "

Mean Average 25 " " " @ $9.66⅔ "

To which we must add the proportion of the the pay of 2 skilled operators who work the the circuit - properly chargeable to the 25 words -

The capacity of an ordinary circuit - say 250 miles (all delays & loss time considered) is 250 words per minute - or say for easy calculation 240. w per minute

We have therefore as representing the labor of the 2 automatic operators @ $100. ea - $200.
240 words per minute
and chargeable to the 25 words - $20.
giving for the mean average of 25 words per minute - $10.

INCOMPLETE

13

As the respective wire Capacity

Morse 25 words per min. =
Automatic 250 " " "

1 Automatic = to 10 Morse — 56

Or go further & concede — that the Acrodoplex has been sufficiently matured to practically Quadraplex an ordinary Morse wire we then have —

1 Automatic = to 2½ ~~Quadraplex~~

Product & Cost of Operating
2½ Quad wires for one month —
— 20 Operators —
3,120,000 words Est $2000.

To Produce the same by Automatic

~~Operators 75 = Copyists~~

Operators 5 @ $50. = $250.
Copyists 1/3 @ $40 = 330.
Operators 2 @ $100. = 200.
} 15/3 Oprs Cost $780.

Or the Saving of the Interest & Maintenance of 1½ Wires 250 M in Length —
Aca of $1220. or of —

200.00 / 33.33/3
$144.44 2/3

25. 6 / 200.00 / 33.33 1/3

[ESSAY BY EDWARD H. JOHNSON]

INCOMPLETE

14.

Note - The full wire capacity of Automatic being 240 w per min represented by 2 copies @ 200. but half of it is used to do the 1,497,600 words hence I give ½ the labor of operating the wire.

General Remarks upon the advantages of the Automatic System -

Transmission

Upon the Standard American wires - No 9 Galvanized Iron -

The following experimental working speeds are attainable

N. York to Charleston S.C. 280 miles of Am. Compound wire (Steel Core - Copper Sheathing) - ~~2 wires on the Poles~~ - ½ 720 miles No 9 Iron Wire - 2 wires on the Poles - Exp. 150 wds. Wkng. 50 ~~to~~ 70 margin

Washington to Charleston 720 mi " 250 " " 100 " margin

GEO. E. GOURAUD

{80 Broadway,
{5 & 7 New Street.

NARROW-GUAGE RAILROAD SPECIALTIES.

Narrow-Guage Railroad Bonds, Stock and Loans Negotiated.
Narrow-Guage Rails and Equipment.

New-York, 187

Nigel Morgan	5.000
Dickinson	11.000
Wm Schaffer	11.000
Rutten & Bonn	30.000
C Spies	13.000
R A Boorman	5.000
Wm Hoy	5.500
S Hoffman	7.000
S Kelley	3.300
C B Lambert	1.300
Wm Stebbins	700
J M Boorman	2.600
Geo Gasman	10.000
J W Duval	2.200
Wm Howell	1.100
amt pmt	112.200

What Reiff owes

Aut Fire	112.000
B Reiff	17.000
Martin	1.300
J.G.	20.000
J.S.G.	3.300
	$158.600
U.A.P.	3.500
	162.100

Lose every dollar of this out
has all been expended for
automatics in actual cash
and not entirely -
though short handed much
time in my absence be
left out - this is why I urge you
to stand by me. Shade effort to myself
in the attempt to save the outfit.
You can still save money.

MEMORANDUM [BY R. W. RUSSELL?]

Telegr. Auto.

Patents about 40 in number for Edisons inventions in or relating to Automatic Telegraph and Edisons inventions in duplex and quadruplex telegraphy were assigned by Agreement dated 18th April 1875 to Jay Gould for him to transfer same to the Atlantic and Pacific for 31,800 shares of the capital of that Company should they elect to make the purchase.

Gould by the Agreement of 30 Decr 1874 contracted that he would use his influence to induce the A and P to make the purchase. And on the assumption that his influence for paramount Harrington put forth no effort the A & P in possession of the Automatic Telegraph line New York to Washington and delivered the above mentioned deed to him with instructions to give effect to it within the A & P should pay 31,800 shares of its stock to the parties named in a Schedule delivered to him with the deed. Harrington was entitled to 4,250 of those shares and he sold same to Gould at $25 per share.

Harrington executed the deed in advance because he was going to Europe on account of his ill health

Telg. Auto.

After Harrington's departure the A & P. became dissatisfied with the Automatic System and refused to pay the $1,800 or to negotiate for any modification of the bargain until Edison would do what he claimed to be able to do to improve the system. He was entitled to 3000 shares and he refused to do anything until the A & P. should come to some settlement with Reiff and others entitled to the balance of the shares.

Gould offered Edison his 3000 shares if he would abandon his associates and go to work for the A & P. But he refused the offer

The consequence was that the Automatic system fell into the hands of the Morse pounders, operators who were naturally opposed to the introduction of Machinery to supersede their skilled labor

The Automatic System required certain improvements. It could not be worked advantageously on circuits exceeding 300 or 400 miles. And considerable delays were experienced through the necessity of stopping whilst signals were exchanged between the sending and receiving Offices

These difficulties can be effectually removed by Edison. Said $800 to 1000 worth a number can be

sent continuously on one wire between New York and Chicago at a greatly reduced expense for operation as compared with the Morse system.

This involves a revolution in the Telegraph business

1. Long messages will be sent at the same tariff as now charged for short messages of 10 words.

2. Many manufacturing, commercial and banking firms will prepare their own messages and receive messages as recorded in telegraph characters

3 Arrangements will be made with Railroad Companies for telegraphic business to be done on their lines they receiving part of the tariff

4. Newspaper Editorials will be prepared at Newspaper Offices for publication at various points simultaneously

A Telegraph line with 3 inches of steel and copper can be constructed for $150 per mile.

The old iron wires will be superseded

The 55 millions of Capital of the Western Union and A & T Co will be swept away.

There will be a panic amongst Western Union [illegible]

the programme of a new Telegraph Company combining with Railroad Companies, introducing the long message system - and the transmission of messages prepared outside the work being prepared by vastly superior machinery at very little expense.

The new Co will have superior lines of steel and copper wire and a superior system of telegraphy. These advantages will soon lead to the construction of lines from the Pacific to the Atlantic and between all the great cities the cost thereof being very small.

The Quadruplex system is of no use as against the Automatic.

By the Quadruplex system there is no saving of expense for Operators - the only saving is on the wire - one wire doing the former work of 3 or a little more.

The American Automatic Telegraph Co. are the sole owners of patents in America in the United States only and are prosecuting their claim in Courts in the federal Courts against the [illegible] and the Atlantic and Pacific.

But the litigation is of no real importance to the proposed new Telegraph Co. and need not be regarded in the present project. The new Co. will use the Automatic not the Quadruplex

The American Automatic Telegraphic Company will reserve their right of suing the Western Union for the infringement of the Quadruplex and will carry on the litigation at their own expense. On establishing their title they may sell it to the W. U. On such sale the A & P. will be entitled to 1/3 of the price as owners of Edison's 1/3 of the proceeds of the patents

The rights of the American Automatic Telegraph Co. to apply the Quadruplex to Chemical Automatic Telegraphy is conceded by the W. U. and what rights is expressly reserved in the deed of 1 Jan.y 1875 Harrington to Gould by which Harrington transferred [illegible] of 1 dollar the inventions of the Quadruplex which was in anticipation of the performance of the agreements of 30 Dec.r 74

The litigation as to the Automatic is merely nominal. There is no shew of a pretext even for a claim of title to the Automatic by the A & P.

Pets. Telegraph Co. will use the Automatic at once. The American Automatic Co. will obtain Injunctions against the A & B. to stop the use by them of the Automatic and a decree to account for the infringements

On a sale of the Automatic Patents to the new Telegraph Company that part of the price which may come into the hands of the American Automatic Telegraph Co. will be distributed by them amongst the persons named in the before mentioned Schedule. The A & B. will be entitled to a part as owners of Harrington's 1,250 shares out of 31,830 and Edison will be entitled to his proportion on account of his 3,000 shares.

The American Automatic Telegraph Co. and Bonds will bind for the Automatic Patents — embraced in the deed of 1st April 1875 and Edison's inventions in Automatic Telegraphy made since (some of which are patented) to A & B in trust to sell same within months for not less than A & B to keep half of the price

If the sale be not made within the limited time A & B to keep the property until sold by them or until the amount paid by them be returned

A & B. will also secure the right to purchase Edison's

+ further inventions in Electric Telegraphy not a moderate price.

1876. Telegraph - Atlantic & Pacific Telegraph Co. (D-76-015)

Correspondence, account (1875-1876).

The following notation, written by an archivist, appears on the documents: "Used in law suit: Edison vs. A & P and Domestic Telegraph Co. Apr. 1878."

See also: "Telegraph - Domestic Telegraph Co." (D-76-016).

All selected.

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President and Gen'l Manager.
William J. Tyng, Vice President.
Albert B. Chandler, Secretary & Gen'l Supt.
Alfred Nelson, Treasurer.

New York, February 12th 1876.

Mr. Thomas A. Edison,
Newark, N. J.

Dear Sir:

Learning from Mr. Murray that you are ill, and also the special occasion of your necessity for funds, and that $400. will enable him to relieve any embarrassment for the time being, I enclose herewith this company's check for that amount, payable to your order. I have taken Mr. Murray's receipt therefor on your account as applicable to his bill for quadruplex instruments which he has turned over to you.

Yours, truly,

A. B. Chandler

Form 48, Large.

New York Mar 7 1876

Mr Thos. A. Edison

In Account with **The Atlantic & Pacific Telegraph Company.**

Dr

1875 Nov 12	To Cash from Treas	160 00	
" 19	" " " "	210 00	
Dec 7	" " " "	100 00	
" 16	" " " "	200 00	
" 21	" " " "	100 00	
" 31	" " " "	100 00	
July 13	" " " A R Shaddle fee	500 00	
" 28	" " " "	150 00	
Aug 10	" " " "	300 00	
" 18	" " " "	125 00	
Sept 16	" " " "	500 00	
Oct 13	" " " "	100 00	
1876 Jan 8	" " " "	200 00	
Feb 12	" " " Treas	400 00	
" 24	" " " "	100 00	3245 00

Cr

Dec 31	By Sundry bills	2411 25	
1876 Jan 1	" Sundry bills	860 00	3271 25
		Cr Bal	26 25

Monday Apr. 23.

You address me Rev.
I address you, Prof. - or, to be more affectionate,

Dear Professor, -

I had an opportunity today, for the first time, to present your suggestion for payment on a/c of salary, to Mr. G. -

He asked me to say to you that he will be very busy for his or three days yet, now, - but that, afterwards he would like to see you personally and have a good long talk, - I think you would find such an interview useful. -

Yr. A. Z. Yr a friend, - Chandler

also

I think we should arrange it
immediately after getting in Newport.—

The Genl will be prepared to
decide right away after his return
—but not before leaving—

I went to Train to see Genl—
had your letter in my hand—as to
machinery. Reiff came in car
& occupied him till I had to
jump from the car to go to Philad
so I could not get his decision
will endeavor to do so among
the very first things on his return

Last but not least I
will borrow $100 from Hirder
for you if it will help
you.— I think you
should arrange the salary
question with the Genl,—
you know you preferred the
advances I have made
you should be applicable
to machinery bills, but I have
not as yet so applied them—

I am not contented
to see the distinguished Electrician
of this Co. so little connected
with our affairs

1876. Telegraph - Domestic Telegraph Co. (D-76-016)

Correspondence, memoranda, some by Edison; agreement, order, receipts.

The following notation, written by an archivist, appears on many of the documents: "Used in law suit: Edison vs. A & P and Domestic Telegraph Co. Apr. 1878."

See also: "Telegraph - Atlantic & Pacific Telegraph Co." (D-76-015).

All selected.

87

New York, Feb 21 1876

Mr T. A. Edison

Please deliver bearer 24 Rolls Paper

Yours, &c. Alexander & Co

Stearns & Beale, Stationers, 147 Fulton Street, N. Y.

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President and Manager.
William A. Tyson, Vice President.
Albert B. Chandler, Treasurer & Assistant Sec.
Alfred Sabin, Secretary.

New York Mch 31 1876

T. A. Edison Esq.

Dear Sir

Yours of 30 inst is at hand today - Its contents are somewhat confusing, as some days since Mr Marten sent in a proposition, apparently a new one from himself I supposed, until I saw him and learned it was for you - Its provisions were wholly different from those of the option you gave me, which to my surprise I found he was not acquainted with - He came in again on Monday or Tuesday last, and said the decision must be made on the coming Monday 3d prox.

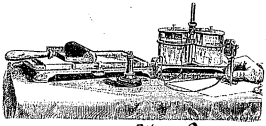
Your note today says nothing

Recd 3/1/96

ers to that day - You say, "closed up soon" - I am arranging to close on Monday, although it may be Wednesday before I secure what is needed, as one of the parties is on his way home from California, and the other has returned from Washington today.

Does Mr Morten speak for you when he says Monday is the last day - I hope not, as it will be difficult to arrange the whole matter in one day - Are you fully prepared to transfer the 3200 this or enough for the control on that day. As I am acting for others, this question is of importance - Mr Terrell wishes to see you to complete the Fire Alarm Patents. You had better come to New York tomorrow if possible Respectfully

Alfred Nelson
Mass



Menlo Park Sept 6 74

Friend Miller

I have a chance to sell mine your & Batchelor's Domestic Stock to the A & P people for 85 per share 1/2 Cash & 1/2 approved notes & think I can let you have more than 1/2 of not all Cash for your 100 shares

I am to be ready to deliver them Wednesday next if the sale goes on so please put your certificates in a letter and leave at ~~with the~~ General Lefferts, or in his Care so that I can make the delivery if the trade goes on

Answer quick Yours Edison

Delivered Apl. 5/76.
on the within order
No - 92. 3. 4. 5. 6 - = 20 Shee
= 100 Shs - left with Fine
Suffolk as requested -
R. C. M.

Rec'd Apl. 13/76. Four hundred
Fifty two 50/100 in full of pay.
for the above description stock
225 ck
237.50 ck
462.50
R. C. Miller

Form 80

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President
William T. Sykes, Treasurer
Albert B. Chandler, Secretary & Assistant Treasurer
Alfred Nelson, Inspector

New York April 5 — 1876

Recd from Mr T. A. Edison Certificates as per account for Thirty three hundred shares of the Capital Stock of the Domestic Telegraph Company, for which I agree to pay him Sixteen thousand, five hundred dollars One half Cash and One half notes due Six months from date without Interest — Owing to the absence of some of the parties who have decided to purchase this stock I am unable to make the settlement in full today, but now pay him Three thousand dollars in cash on account of the purchase, and am to have a few days allowance in which

Form 80.

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The Atlantic & Pacific & Franklin Telegraph Companies,

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Thomas T. Eckert, President
William J. Spencer, Vice President
Albert B. Chandler, Secretary & Treasurer
Alfred Nelson, Treasurer

New York, ... 187—

to make the further payments the notes and cash to be placed in Mr Edison's hands as soon as I receive them from the second parties, and meantime all the Stock Certificates to be left in my custody— The entire settlement to be completed by April 10th 1876.

No 47.	J. A. Edison	200. shs
48	"	200. "
49	"	200. "
50	"	200 "
51	"	200 "
52	"	200 "
53	"	200 "
54	"	200 "

Form 80.

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The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President & Treasurer
William F. Sykes, Vice President
Albert B. Chandler, Secretary & Assistant Treas.
Alfred Nelson, Treasurer

New York, _____ 187—

		Forw	1600	
55	Thos. A. Edison	100	"
56	"	100	"
60	"	100	"
62	"	20	"
61	"	20	"
79	Alex Morten	10	"
99	T. A. Edison	1250	"
21	Chas Batchelor	100	"
Thirty three hundred		3300	—

Alfred Nelson

Clothing. [illegible]

12 13

21 25 9

12

15

Mr. [illegible] Letter vs. Stephen Nisbet & Robert [illegible]
Esqrs. 1826

April 10th 1876

Received of Thos. A. Edison

Check for $1000 also

Check for 400 also

Check for 512 and

Note for 500 J.B. Hyde &

note for 500 Theodore Westin

a/c Pauler Recd & self

Alex Morton.

The Check for 512 not received

602 35/100 dollars which is the value of the above note.

Alex Morton

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies.

No. 145 Broadway.

Thomas T. Eckert, Pres't Atl. & Pac. Tel. Co.
William J. Lyons, Sec'y Atl. & Pac. Tel. Co.
Albert B. Chandler, Sup't Atl. & Pac. Tel. Co.
Alfred Nelson, Treas'r Franklin Tel. Co.

New York April 20 1876

Thos. A. Edison Esq. Newark N.J.

Dear Sir

Yours of 19 inst is at hand - You are right in your conjecture as to lack of time - I am on the jump mentally and often physically the greater part of the day, and often when I can see the Devil he cannot attend to me - I now send you notes for $2500. being in full payment for 500 Shares Domestic Tel Co. Stock as per arrangement for which please return me two receipts for equal amounts to each party - I dated the notes as from the day of the transaction at an interval of 14 days ending today so as to avoid their maturing all on one day. I

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, General Superintendent
William J. Sykes, Treasurer
Albert F. Chandler, Secretary
Alfred Nelson, Superintendent

New York, 187—

am promised $950. cash for to-
morrow as payment for 200 shares
and am working at the rest al-
though it is uphill work, as I must
begin accts - The notes enclosed are
T.T. Eckert dated April 6. 10. 20. for 500. 500. 250. at 6 mo.
Alfred Nelson " " 6. 10. 20. 500. 500. 250. 6 "
I am just told that 2 parties who were to
take 200 shs. "cant do anything" So must
try someone else - I hope my purchase of
250 shares will come out right? - I will
ask Mr Morten for the information to-
morrow - Can you arange my key
apparatus for use as printing Morse instru-
ment on Manhattan Co's line. Such
an arangement would be useful

Respectfully
Alfred Nelson

Form 30.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 165 Broadway.

Thomas T. Eckert, President Atlantic & Pacific
William P. Tyson, Vice President
Albert B. Chandler, Treasurer & Director
Alfred Nelson, Secretary

New York April 24. 1876

T. A. Edison Esq. Menlo Park N.J.

Dear Sir

Yours of 23 inst with enclosures is at hand. I return the receipts, which should be amended so as to read each - in full payment for two hundred and fifty shares of Stock of the Domestic Telegraph Company - Please return them made out in that way - I now enclose a check to your order for $500. for which please return me receipt as cash payment of one half due on Two hundred shares &c &c - The machine I speak of is the Key instrument in Gillilands hands - I wish to have an arrangement for marking or printing Morse instead of paper Registers as usual?

Respectfully Alfred Nelson

Firm sd. fed in law anf: Edison vs. A.T.&T. and Dominion Tel. Co. Apr. 1878

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President Western Union
William J. Ryan, Treasurer
Albert B. Chandler, Secretary & Supt. Tel.
Alfred Nelson, Treasurer

New York April 26 – 1876

T. A. Edison Esq. Menlo Park. N.J.

Dear Sir

Yours of – inst is at hand covering receipt for $500. cash, and for $2500 in notes, all in payment for Domestic Tel Co Stock. I am obliged for your graceful compliment as to ingenuity, but really it is not deserved, as I simply carried out the agreement between us. However "alls well" &c I now enclose Note of F. N. Roebling to his own order and endorsed by him for $1500. due Oct 27/76. being payment for one half of Six hundred shares for which please return me receipt – I will send you more cash tomorrow or next day – As suggested in yours of 19 inst I called on

Mr Morten to secure the information as to Fire Alarm system, and enclose a circular which he had prepared. It seems to me this should have much additional matter to render it profitable for circulation? No doubt you can furnish it? Please do so that we may have a neat circular or pamphlet prepared. Will Mr Batchelor send his drawings to Mr Murray? Mr M will set to work as soon as he is posted. Time is an important element for a successful issue, so please do what you can to aid us in this as in other particulars. I hope your new home is agreeable, and that the boy thrives. Our Annual election today was entirely Goneden in its character. I enclose the ticket

Respectfully
Alfred Nelson

Form 80.

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 108 Broadway.

Thomas T. Eckert, President and Treasurer
William J. Hynes, Vice President
C. G. T. Garrett, Secretary
Alex. W. Chandler, General Superintendent
Alfred Sayre, Director

New York May 22 1876

My dear Edison:—

I would like to have the 200 signal or call boxes finished at the earliest moment possible. Cash on delivery.

I said to contract for 500 to 1000 more to be made at once. What will be the lowest figure for a complete improved box?

I have arranged with Mr Nelson to have Applebaugh take charge of the "Domestic" in addition to the Manhattan lines, and by the end of this month hope to be able to say we are in a fair way to compete for business.

When can the 200 boxes be ready?

Yours truly,

Thos T. Eckert

May 3d 1876

Received from Thos A Edison

One Thousand DOLLARS

in full for Two hundred shares of Domestic stock

$1000.00

Chas Batchelor

May 4th 1876

Received from T. A. Edison

Sixty Five DOLLARS

for 13 shares of Domestic Stock

$65.00

James Adams

2 Exchange St. Room 38
May 5. 1876.

Dear Edwin.

Yours received with checks for $350 a/c Domestic.

- A/c now stands

	Cash ~~Notes~~	Notes ~~Cash~~
Due	2617.50.	2617.50
Pd. on a/c	1750.00	2352.50.
Still due	$867.50	$265.00
	2617 50	2617.00

17.50
2352
4102.

Yours truly
Allen Morton.

2617.50
350
1750
867.50

Gard
4102
2798

160

14
14.00
35.

6900

1400.
7000

Cash
1750
350
2100

17.50.

7000
5000
5000

1000
602
750
2352

.35
.35

Form. 89.

The Atlantic & Pacific & Franklin Telegraph Companies.

Atlantic Division.

Thomas T. Eckert, President and Manager.
William J. Lyons, Vice President.
Albert R. Chandler, Treasurer & Assistant Mgr.
Alfred Nelson, Treasurer.

No. 145 Broadway.

G. Hamner Bates,
Gen'l Supt. Atlantic Division.

New York May 19 — 1876

J. A. Edison Esq.

Dear Sir

Yours of no date at hand. The broadbrim on his return found so many protested notes and delayed payments, that he concluded to take only one half of his first subscription, which was paid to you in cash. I enclose check to your order for $250. in full payment for 50 shares, but will be obliged to find some more customers for the Stock Roebling and Mason did not take before I can send more money - I enclose Mr Roebling's note for $1500. correctly made out, receipt of which please acknowledge - In regard to the order

for $1500. instruments, the D. C. are in no condition financially at present to warrant such an order. We have only as yet used 50 instruments. By the time Mr Gilliland completes the 200, matters may be in a better shape. Please direct him to send more soon as possible. Also please direct him to send to you or me the key machine. Will you soon complete the recording instrument, or plain for one, as desired? Mr R. B. Russell, under date of 17 inst, requests immediate payment of $250. due him. Please send him a note requesting him to wait a little, until we can commence to earn some money?

How soon will you send the plans to Mr Murray, that he may complete the fire alarm instruments?

Respectfully
Alfred Vail

Dear Sir, Yours dated Lisbon Va. 14th Paul Kinnicutt Esq. 15 Sept 1855

May 1876
Return

OFFICE OF

The Domestic Telegraph Co.

NO. 145 BROADWAY.

THOS. T. EGERTON, PRES.
ALFRED NIELSON, VICE-PRES.
W. K. APPLEGATE, SEC.

New York, May 31 1876

Thos. A. Edison Esq. Menlo Park
New Jersey

Dear Sir

Yours of 29 inst. was duly rec'd, and on application to Mr Hyde he requests to know what my proposition is in the matter — Please state it plainly, and so favorably as to insure a negotiation — Mr Weston complains that notwithstanding the promise, he finds his note in the Bank — If applied to, he would have discounted it himself in preference Please do not place the other notes in Bank if possible — Mr Russel notifies me today that he has not heard from you in reference to the payment you promised to make on behalf of Domestic — Please send to him at once. Also please send to me a true story of Morton's connection with Domestic Co, as I must have an answer to his complaint within next 3 days. Send to-morrow if possible

Respectfully
Alfred Nielson

Chas Wellman
June 9. 76.

OFFICE OF ROBERTSON & RYAN.
IMPORTERS AND DEALERS IN
GROCERIES, PROVISIONS, LIQUORS & GENERAL MERCHANDISE.
32 Huron Avenue,

Port Huron, Mich June 9 1876

Alfred Nelson
New York

Dear Sir
Our City is about to put in a fire Alarm Telegraph and would like to get your prices of Poles Wire &c put up and in complete working order We will require about two miles of wire 30 or 4 Poles 5 or 6 Brace and a large Bell striker

Truly Yours
Chas Wellman
Member of
Fire Committee

Form. 81.

The Atlantic & Pacific & Franklin Telegraph Companies.

Atlantic Division.

No. 145 Broadway.

Copy in letter book

Frank S. Corbett, President and Manager.
William J. Pyne, Vice President.
Albert R. Chandler, Secretary & Assistant Mngr.
Alfred N. Ghent, Treasurer.

D. Henry Butts, Gen'l Supt. Atlantic Division.

New York July 7 1876.

T. A. Edison Esq. Menlo Park N.J.

Dear Sir

Yours of 6 inst. is at hand. I have the Domestic Stock in the hands of 3 or 4 parties, but they do not make any sales as yet. The writer, in person secured the former lot of subscribers, and it would seem as if it would be necessary for him to renew operations. On how many shares are payments still due. The Russell matter occurred before my connection with the Co, and I do not remember now who endorsed the bill as correct. If properly endorsed, and you have paid the bill, you have a valid claim on the Co for reimbursement.

Form. 81

T. A. Edison 2.

The Atlantic & Pacific & Franklin Telegraph Companies.

Atlantic Division.

No. 145 Broadway.

Thomas F. Eckert, President and General Manager
William J. Lyons, Vice President
Albert B. Chandler, Treasurer & Acting Sec'y
Alfred Nilson, Treasurer

D. Homer Bates, Gen'l Supt. Atlantic Division

New York, 2 1 _____ 187_

Mr Muncy has sent to us the Gong and machinery, and we are very anxious that you should come over and direct how it is to be set in order - Please do so as soon as possible -

Respectfully
Alfred Nilson

OFFICE OF

The Domestic Telegraph Co.

No. 145 BROADWAY.

THOS. T. ECKERT, Pres't.
ALFRED NELSON, Vice-Pres't.
W. K. APPLEBATON, Sept.

New York, Sep 15 1876

Thos. A. Edison Esq.
Menlo Park
New Jersey

Dear Sir

Yours of 8 inst was only rec'd on my return on Wednesday after a weeks absence; hence the delay in reply, which please excuse. I have not been successful as yet in finding a customer for the balance of Stock, and am rather interfered with by parties who are offering the Stock at $3 per share. I hoped I had removed this difficulty when a few months ago I made an individual investment in over 150 shs which were being hawked about.

These parties are now again pressing the sale much to the detriment of all concerned. As soon as the proper temperature is reached &c

Wechsler lawsuit Nelson vs A & P & N Automatic Telep. Co expires 1898

but joking aside I will make an earnest effort to close the matter within the next 30 days. How would you be disposed to exchange for A.V.P. stock?

An application has been rec'd for estimate for Fire Signal Apparatus from Port Huron Mich. Mr Murray tells me that you have had the matter in hand and have possibly made an offer - Please advise me of particulars, so that there may be no disagreement

Respectfully
Alfred Nelson
V.P.

Sept 15th

Form 10.

THE ATLANTIC AND PACIFIC AND FRANKLIN TELEGRAPH COMPANIES.

THOMAS T. ECKERT, *President.*

The rates of these Companies require that all messages received for transmission shall be written on the message blanks of those Companies, under and subject to the conditions printed thereon, which have been approved by the action of the following officers:
D. H. BATES, Gen'l Sup't, Atlantic Division, New York.
E. D. L. SWEET, Gen'l Sup't, Pacific Division, Chicago.

ALBERT B. CHANDLER, *Secretary.*

NUMBER.	SENT BY	TIME.	RECEIVED BY	CHECK.

Dated Newark N J Sept 22 (1876)?

To T A Edison

Rec'd at Francis & 182 Market St

187 .

I would like to see you as soon as possible to clear up that Domestic Matter

J Pearsy

Van Rhoek, Clark & Co., Printers, 18 Cortlandt Street, N. Y.

OFFICE OF

The Domestic Telegraph Co.

No. 145 BROADWAY.

Thos. T. Eckert, Pres't.
Alfred Nelson, Vice-Pres't.
W. K. Appleyard, Sec't.

New York, Oct 3 1876

Thos. A. Edison Esq. Menlo Park
New Jersey.

Dear Sir

We are notified that the suit of Mr Morton against this Co. is to be called on 6th inst, and as you are a very important witness and, I am very sorry to hear, are now confined to your house, we should be much obliged if on receipt of this, you would mail us a physicians certificate of the fact to be presented as a reason for delay

In ordinary cases, it would be sufficient to notify the opposing counsel but as he has already acted with discourtesy, we do not desire to run any risk - Trusting you will soon recover

Respectfully
Alfred Nelson
Pr.

Form 80. Domestic

Executive Office of

The Atlantic & Pacific & Franklin Telegraph Companies,

No. 145 Broadway.

Thomas T. Eckert, President.
William J. Flynn, Secretary & Treasurer.
Albert H. Chandler, General Superintendent and Secretary.
Alfred N. Beach, Treasurer.

New York Oct 4 — 1876

Thos. A. Edison Esq. Menlo Park N.J.

Dear Sir

Yours of 26 ultto. came duly to hand, but it was not until Saturday I could place it properly before the President, who informed me that he would endeavor to arrange the matter with the Executive Com. as soon as Messrs Dillon and Gould of the Committee returned.

Respectfully

Alfred Nelson

Treas T.

OFFICE OF

The Domestic Telegraph Co.

No. 145 Broadway.

Thos. T. Eckert, Pres't.
Alfred Nelson, Vice-Pres't.
W. K. Ackerman, Supt.

New York, Nov 8 — 1876

Thos. A. Edison Esq. Menlo Park
New Jersey

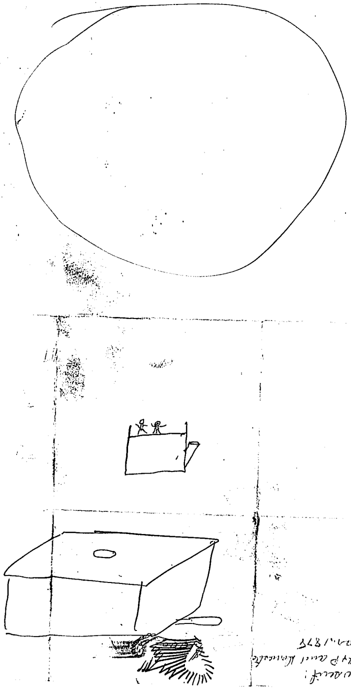
Dear Sir

The case of Morten vs Domestic Tel Co is set down for trial on 10th inst. in Part III of Supreme Court in New Court House City Hall Park at 10 30 A.M. and you and Mr Murray are requested to attend as witnesses. Mr Murray was in the office today and promised to come, and I presume you will do the same, as Mr Mortens lawyer will press the case to trial on the plea that Mr Morten desires to start for the other side of the Atlantic as soon as practicable

Respectfully

Alfred Nelson
V.P.

[ON BACK OF PRECEDING PAGE]



A Nelson
Nov 8, 1876

OFFICE OF THE SECRETARY
NOV 14 1976
WASHINGTON

Bobby

I must make a raise somehow. Can you get me an order on Nelson for than $250, due on the 2nd 2nd? I can pick it up I think —

When is Ford coming back?

Rod

OFFICE OF

The Domestic Telegraph Co.

No. 145 Broadway.

Thos. T. Eckert, Pres.
Alfred Nelson, Vice-Pres.
W. K. Appleton, Supt.

New York, Nov 14 1876

T. A. Edison Esq Menlo Park N.J.

Dear Sir

Yours of 10 inst. is at hand. Will you come this week, if notified in season? Your testimony will be conclusive on important points = The settlement for Domestic with you was made through me, and as all my entries are in my check-book, I shall be obliged to take it home to make comparison = Please send me a full statement from your books. What will you take cash for the balance unsettled by A&P as suggested - I can probably place it at a low price say $2. to $3. = Presidt. Eckert is still absent, & until his return, which is expected this week I am unable to reply as to Tower bell strikers

Respectfully
Alfred Nelson V.P.

OFFICE OF

The Domestic Telegraph Co.

NO. 145 BROADWAY.

THOS. T. ECKERT, PRES.
ALFRED NELSON, VICE-PRES.
W. K. APPLEGATE, SEC'Y.

New York, April 24 1876

Thos. A. Edison Esq. Menlo Park
New Jersey

Dear Sir

The examination of witnesses is progressing in the Gamewell case vs Domestic Tele Co, and Mr Pope is being examined on behalf of the former Co = He is very voluminous and on a cross examination we shall need some one who can match him, and by general consent you are looked on as the proper person = I have told Mr Wheeler our counsel that I presumed you would appear if requested to do so, as I knew how tenacious you were on the question of not having infringed on Gamewell's patents in seeking your own, as expressed to me, and the study necessary to make this certain would give you very fully to prove the fact of non infringement - Please say Respectfully

Alfred Nelson
V.P.

whether or not you will come tomorrow if possible

Form 80.

Executive Office of

The Atlantic & Pacific Telegraph Company,

No. 145 Broadway.

Thomas T. Eckert, President.
William J. Lyons, Vice President.
Alex. B. Chandler, Secretary and Treasurer.
Alfred Nelson, Treasurer.

New York Nov. 27th 1876.

My dear Sir:-

I have consulted with Everett on the subject of your Domestic Tel. stock, remaining unpaid for, - and he requests me to ask you to call at your convenience, when he will adjust the matter with you. -

Yours very truly

A. B. Chandler

T. A. Edison Esq
Menlo Park, N.J.

	note.		
Roebling.	15'00	Edison	2000
Hyde	2000.	Morton	1000
Weston	500		1000 — 5150 cash
	1000	Cash	500
Eckert + Nelson	25'00.		4500
	75'00		

45'00
75'00
120'00
15'00
135'00

500
250
750

$65'00
13'00
Mar = $13 000

April 26 — 500. cash
from Edison — right to use

April 24. need 500. as 1/2 payment on 200 shares.

Apr. 6. 1900.
-8 1000
-24 500
-24 1415.

received. 1/2 of 2500
— full payment of 500 shares.
May 19 7

[MEMORANDUM BY EDWARD H. JOHNSON]

(1876)

Mr Russells bill against the
Domestic Telegraph Co $250.
Mr Edison proposed to pay it and
collect the amount from the Co.

Mr Edison has paid Mr Russell on a/c
$25.

Mr Russell discounted on
27th June Eckert note of $500.
dated apl 6th 76. payable
6 months after date & gave
Mr Edison $375. in cash
Mr Edison thus paid Mr R. $125 a/c
Mr Edison is to pay $250
Less 125.
and 25 150
$100

Add interest at 7% for
the discount —

R. Recivs. Note $500. Pays. $375
To receive 100. has Rec.d 25.
$600. $350
Bill 250.
$600

1876. Telegraph - Murray, J.T. (D-76-017)

Correspondence, account, bill.

See also: "Telegraph - Western Union Telegraph Company" (D-76-018).

All selected.

Newark, N.J., April 1st 1876

T. A. Edison

Bought of J. T. MURRAY,

MANUFACTURER OF

Telegraph Instruments,

Nos. 10 & 12 WARD STREET.

	8 Patent office Models	
1	Acoustic	$35
2		25
3	Engine	40
4		35
5		35
6	Domestic	25
7		40
8		40
		$275

Recd. Pay

CHAS. BATCHELOR.

~~10 & 12 WARD ST.~~

~~NEWARK, N. J.~~ ~~18~~

Menlo Park. N.J.
Apl 6 1876.

Friend Murray.

Would you let me know when you called on Fernando Rohe & Crosman Bro and what they said as Mr Edison thinks of putting it into the hands of some one to collect.

Truly Yours
Chas Batchelor.

I have not seen either Crosman or Rohe since we separated and it is not a matter for me to interfere with as it belongs to Edison only —

Yours Truly
Murray

Enclosed is statement
for Edison

STATEMENT.

NEWARK, N. J., ... *187*

To J. T. MURRAY,

Manufacturer of TELEGRAPH INSTRUMENTS,

10 & 12 WARD STREET.

			$			
		Note	500		6 Month	
		9 Month Rent	806	25		
		due you	$ 1306	25		
		I Paid you from A & P				
					1087	76
		8 Models below			275	
					$ 1362	76
					1306	25
		due me			$ 56	51
Acoustic Models						
	1		$ 35			
	2		25			
	3	Engine on	40			
	4		35			
	5		35			
	6	Fire alarm	25			
	7		40			
	8		40			
			$ 275			

Note 6 Month held by you belongs to me

J. T. MURRAY,
MANUFACTURER OF
TELEGRAPH INSTRUMENTS,
NOS. 10 & 12 WARD STREET,

Newark, N.J., May 3—1876

Prof^r Batchelor

My Elegant Friend
if you get this money let
me know and place it
to my Cr on Edisons acct
as I may not see Gilliland
again

Please tell Mr
Huesy to send me
the other Keys and I will
fit them for him —

tell Edison to send
Model as I may not be
in such good shape when
he wants me to make them
as I am now —

Farwell till death
Ever his X mark

Jas McCreery & Co
May 17. 1876

JAMES McCREERY & CO.,
Broadway & Eleventh Street.

New York, May 17 1876

Mr T. A. Edison

Dear Sir

Mr Jas T Murray having referred us to you will you kindly inform us at your earliest convenience what you know as to his means responsibility &c

Yours obliged
James McCreery & Co
Per Gn

1876. Telegraph - Western Union Telegraph Company (D-76-018)

Correspondence, memoranda, some by Edison; bill.

All selected.

Western Union Telegraph Company.
Central Division.

Ansen Stager,
Gen'l Supt
Union Building
Cor. Washington & So. Jeff. Sts.

Chicago, Jany 4th 1876

Hon. William Orton Pres't

Dear Sir - I enclose note from Watkins to Summers. I learn from other sources that Bunnell was sent out by C.W.F. Gray has made considerable modification in his machinery and appears to have little or no trouble in working 8 or 9 messages on one wire in one direction on 200 mile circuit. He expresses confidence in being able to work both ways four each way at same time on same wire, but he does not appear to have actually performed more than four in one direction and one in opposite direction - He claims that his modified machinery is simpler in all respects than Morse -

Respy yours
Ansen Stager
Gen'l Supt

[ENCLOSURE]

Sunday June 2 –

C.H.S. (Simmons)

Jesse Burnell has been here several days – sent by N.Y. parties to examine & report on Gray's system – He went back yesterday – much delighted. We talked of staying at Highland Park last night if you may see him –

Gray worked clearly, & in one direction, on 200 miles no g – a loop. By different routes – in the rain & fog, when Morse worked very badly. Used the new receiver that I sketched for you. (Hubbard)

C.H.S.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

No. 49. The rules of this Company require that all messages received for transmission shall be written on the message blanks of the Company, under and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

G. H. MUMFORD, Sec. WILLIAM ORTON, Prest.

Dated New York 4

To Thomas A Edison

Rec'd at 178 Market St., Newark, N. J. Jany 4 1876

Can give you ample accommodations tomorrow with all necessary local and line wires. Bring in all your traps.

William Orton.

President

RRD

Russell Brothers' Print, 17 Park Row, N. Y.

William Orton Esq

Jan 7/76

I send boy with Caveat for Lowrey. It goes to Jerrell for preparation. I have the engine working in place of tuning forks or pendulus bodies. The contacts are perfect but I am having trouble in keeping an even speed. if I cannot succeed in making my engine run even I think Phelps has an that will,

Yours
Edison

Want order on Phelps for Eight large relay bases I find that I shall have to make the instruments for Boston line, requires personal attention,

Please say to Mr. P. that any other parts necessary to complete instruments on which I desire be given & charged to me as cash this can be fixed when complete instruments are ~~wanted~~ in

Edison

Jan. 24. 1876 N.Y.C.

Gold & Stock Telegraph Company,
Western Union Building.

Marshall O. Roberts, President.
~~Henry W. Hurd, Sec'y & Treas.~~
James W. Reid, Sec'y & Treas.

New York, _____ 187__

It will require eight days at least to finish the Acoustic Instruments. In the meantime, I could go ahead with the "Doubler" and show you its merits if conveniences are obtainable

Jan. 26/76.

Western Union Telegraph Co.
Secretary's Office

(Jan 17 76)

Memorandum.

Wm Orton Esq

1st Room OK
2nd Room has things in belonging to Tariff Bu
3rd Room OK.
I propose that things in 2nd Room be moved in 3rd
this gives 1. & 2 OK. Can be done in hour or two.

Please obtain Extra keys for 1st & 2nd Room.

I enclose list of apparatus necessary for 4 way stations on Dowbler. Order on Prescott or Phelps will bring them =

Edison

Wm Orton

Feb, 18/76

Would you please give me pass in operating room. wish to test one of the instruments on a wire tonight
Edison

I have at last got the animal tamed
a séance will be held monday or
Tuesday whereat the professor of
"Acousticity" will exhibit the latest
theft ~~on~~ from the German Telegraph
books,

EXECUTIVE OFFICE,
New York.

WILLIAM ORTON, President.
GEO. H. MUMFORD, Sec'y.

Western Union Telegraph Company,

SUPERINTENDENT'S OFFICE,

Pha. Nov. 2d 1876

Friend Edison:

Yes: I made a report of what I had seen and gave a very brief description of the apparatus and general principles in such a way that it might be readily grasped without close attention.

I have no doubt it will reach Mr Orton on his recovery.

Yours Truly

Chas. Smith

Newark, N.J., Nov 18th 1876

Western Union Tel Co.

Bought of J. T. MURRAY,

MANUFACTURER OF

Telegraph Instruments,

Nos. 10 & 12 WARD STREET.

2 Acoustic Instruments Sets	$120	
Recvt payment	NY Nov. 28/76	
	J T Murray	
	per H H Taylor	

PAID
NOV 28 1876
BY

Approved
A. Chapman
Pres. Acoustic Telegraph Co

Received the above instruments Nov 23 1876
The bill is correct
Thos A Edison

New York, Nov. 28th 1876.

Mind Edison.

I have had some talk with Mr O. about your resignation and he says "That sounds like business, but don't print it in the Newspapers".

He has been able to spend 3 or 4 hours at the Office today, and I can see is gaining.

He hopes to be able to be at the Office a few hours daily & be able to get away for a short time, and will probably to-morrow name a day to receive your letter, which of course will

be after Thanksgiving.

I shall try to fix it for Friday or Saturday unless you say that either or both of those days would be inconvenient for you -

I will look in at 4 tomorrow for any word you send. Keep the thing going, and you will come out all right.

Yours
Miller

Miller to S. W. Gibson
Nov 28. 1876

Acoustic 1876

Wm Orton.

Dear Sir

Before you was taken ill you agreed to allow me to draw on account of acoustic for four weeks. I drew for three only. may I have the balance, I would not ask it only I need it, to pay my "Intellectuals"

Yours
T A Edison

Dec 4/76

I suggest that it be ascertained what proportion of the whole business from 198 Broadway originates therein & is delivered from. The balance will be "thro" business NY acting as a repeating station, also number of employees, on "thro" wires & upon city wires,
Amount of through or repeated press, @ specials.

Dec. 4/76
Mem. of T. A. Edison

Newark, N.J., Dec 16 th 1876

Mr. Western Union Tel Co.

Bought of J. T. MURRAY,
MANUFACTURER OF
Telegraph Instruments,
Nos. 10 & 12 WARD STREET.

This bill is correct
The instruments complete
The set of Acoustic Tel
operator now in my
employ. Thos. A. Edison

Acoustic Telegraphs	@ $15.00 Each	$ 240
on Bases	@ $12.00 Each	24
to Tables	@ $8.00 Each	48
		$ 312

PAID.
Dec 16 1876
J. T. Murray
Treasurer

(Rec'd Dec 1, 1876)

Wm Orton Esq

Dear Sir,

Some six months ago while experimenting with the system of Acoustic Telegraphy called for by my Contract with the French work of J Baillo, on which system both Mulvay of Chicago & Bell of Boston are also working, I was led into another principle of Multiplex transmission which promised great results and although not called for by my Contract, I thought should be worked up, and secured to the Co, and I have been continuously engaged in perfecting the same, and have reached a point where I am able to send and receive eight different messages simultaneously over a single wire with Morse apparatus, and the same has been covered by ~~—~~ patents & Caveats setting forth every ~~imaginable~~ modification that I could conceive, the Copies of such patents

and Caveats are here annexed = These ~~[illegible]~~ papers contain many devices which I have been unable to test & it will require some time to perfect the system = At the present time I can only work between New York and Philadelphia, on longer lines the phenomena of the static charge causes mutilation of the signals and I have been unable up to the present time to devise a compensation of sufficiently powerful to counteract the effect beyond a distance of 100 miles = This apparatus upon an artificial line, has been shown to Mr Smith assent to Mr Jno Van Horn who I believe has made a report to your ~~[illegible]~~ my assistance I have I sent & Recd 8 messages simultaneously, and the artificial were in his presence. These Instruments I have laid ~~to~~ aside, and am now engaged in experimenting ~~on~~ with a modification shown in the patent

papers with hopes of obtaining the Compensation spoken of. It is only a question of time when the system will be perfected as the principle I am sure is correct, but you will readily allow that it is a very complicated subject and requires some elaborate calculations of the brain to manipulate these signals correctly and eradicate the defects. hence the experimental labor is exceeding tedious. While I have been engaged on this side issue, I have caused Mr Murray to make me a complete set of Chemistic apparatus upon the principle set forth in the work of J Baille & called for by my contract, I now propose to take hold of the subject again having gained much experience since I ceased experimenting with that principle, I annex hereto copies of patents & caveats which are

in the patent office concerning this principle = Two claims in these papers have been conceded to Mr Gray & Bell ~~& he has~~ they being prior inventors & Mr Gray has conceded me one, that one being substantially his Pneumatic system as shown in the Centennial = It is not possible for either Mr Gray or Bell to obtain a base patent in this principle, and the only humble one claim Mr Gray could obtain would be a method of manipulating the currents by transmitters ~~which~~ in which he has two plans; ~~both~~ one of which I had applied for & have now conceded him. but I have 4 other methods ~~entirely~~ of effecting the same object which are shown in the annexed papers and Mr Gray has filed no papers showing these, I have no doubt of ultimate success with both systems, but the whole

subject is of such a nature that quick results are impossible, I have drawn I think since last — Thirty two hundred dollars & have expended ~~considerably~~ nearly as much more ~~than this~~ of my own funds, ~~the bill~~ It is which I shall not call on the Co to pay Except in the Event of Success, ~~If you think that the Treasury is good~~, if you desire me to continue the experimenting It would be more satisfactory to reduce the $200. to $100. and arrange so I can draw it regularly, because at the end of each week if the Experimenting has not been satisfactory to myself, I find it impossible to screw up my courage to the point of asking for the $200. & consequently have to suffer — ~~Whereas if~~ I think it has been satisfactory ~~You a~~ I do not always find you in & then I have to suffer = You Respy T. A. Edison

Want Merrihew ordered to loop
two good Washington wires into laboratory

Order on Phelps allowing me to
select from disused instruments
what I require; making a list
of same for your approval,
also for 100 cells Callaud battery,
latter to be charged to me on
Acoustic account.

Also order on Division Supt
whose district covers Boston & NY
to allow me and assistant
the use of the wires at nights
when the same are not used
for business, that is to say
the same kind of order that
you gave me when I was
Experimenting nights on the Quadruplex
then I shall be happy

Hartland.	85
Wiley	120.
Wurth	200
Krugi.	160
Adams.	260
Man	40
Forks.	40
Platina	15
Blue Vitriol	38
Bichromate $KCrO_3$	20.
Office work	16.
Power	50
Freight	6
Brass Casting	28
Iron Casting	15.
Gas & Kerosene	36.
Alcohol filter & money	40
	$1169.
Spice.	128.
	$1297.

Spent on Acoustic to date, not paid for

If the Experiment & progress so far is satisfactory I should like for you to resume special payments, but will not require but ½ as much as stated in Contract.

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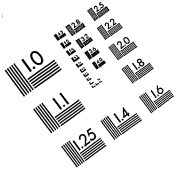

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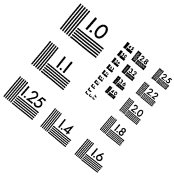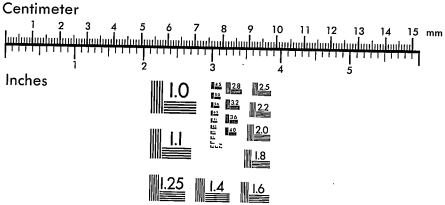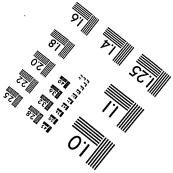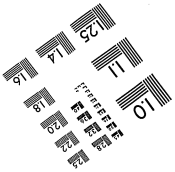
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